

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/07/2015

Reviewed on 05/07/2015

## 1 Identification

- **Product identifier**
- **Trade name:** (BDMA) N-Benzylidimethylamine
- **Article number:** 11400, 11400-25
- **CAS Number:**  
103-83-3
- **EC number:**  
203-149-1
- **Index number:**  
612-074-00-7
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: sgkcck@aol.com  
www.emsdiasum.com
- **Information department:** Product safety department
- **Emergency telephone number:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS05 Corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Corrosive

Causes severe burns.



Harmful

Harmful by inhalation, in contact with skin and if swallowed.

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*Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

· **Information concerning particular hazards for human and environment:** *Not applicable.*

· **Label elements**

· **Labelling according to EU guidelines:**

*The product has been classified and marked in accordance with directives on hazardous materials.*

· **Code letter and hazard designation of product:**



Corrosive

· **Risk phrases:**

*Flammable.*

*Harmful by inhalation, in contact with skin and if swallowed.*

*Causes severe burns.*

*Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

· **Safety phrases:**

*In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.*

*Wear suitable protective clothing, gloves and eye/face protection.*

*In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).*

*Avoid release to the environment. Refer to special instructions/safety data sheets.*

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 3

Fire = 2

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 3

Fire = 2

Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** *Not applicable.*

· **vPvB:** *Not applicable.*

## 3 Composition/information on ingredients

· **Chemical characterization: Substances**

· **CAS No. Description**

*103-83-3 benzyl dimethylamine*

· **Identification number(s)**

· **EC number:** *203-149-1*

· **Index number:** *612-074-00-7*

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**Trade name: (BDMA) N-Benzyl dimethylamine**

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### 4 First-aid measures

- **Description of first aid measures**

- **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:**

Immediately call a doctor.

Drink copious amounts of water and provide fresh air. Immediately call a doctor.

- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **Special hazards arising from the substance or mixture** No further relevant information available.

- **Advice for firefighters**

- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### 7 Handling and storage

- **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

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**Trade name: (BDMA) N-Benzyldimethylamine**

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- **Information about protection against explosions and fires:**  
 Keep ignition sources away - Do not smoke.  
 Protect from heat.  
 Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
 Keep receptacle tightly sealed.  
 Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing.  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes and skin.
- **Breathing equipment:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
  - **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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Trade name: (BDMA) N-Benzyl dimethylamine

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## · Eye protection:



Tightly sealed goggles

## 9 Physical and chemical properties

## · Information on basic physical and chemical properties

## · General Information

## · Appearance:

Form:	Liquid
Color:	Light yellow
Odor:	Amine-like
Odour threshold:	Not determined.

· pH-value: Not determined.

## · Change in condition

Melting point/Melting range:	-75 °C (-103 °F)
Boiling point/Boiling range:	176 °C (349 °F)

· Flash point: 54 °C (129 °F)

· Flammability (solid, gaseous): Not flammable.

## · Ignition temperature:

Decomposition temperature: Not determined.

· Auto igniting: Not determined.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

## · Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapor pressure at 20 °C (68 °F): 2.8 hPa (2 mm Hg)

· Density at 20 °C (68 °F): 0.915 g/cm<sup>3</sup> (7.636 lbs/gal)

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

## · Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

## · Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

Organic solvents: 0.0 %

· Other information: No further relevant information available.

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Trade name: (BDMA) N-Benzyl dimethylamine

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## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

### 103-83-3 benzyl dimethylamine

Oral	LD50	265 mg/kg (rat)
Dermal	LD50	1660 mg/kg (rabbit)
Inhalative	LC50/4 h	2.06 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Strong caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

- **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

Substance is not listed.

· **NTP (National Toxicology Program)**

Substance is not listed.

· **OSHA-Ca (Occupational Safety Health Administration)**

Substance is not listed.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (Assessment by list): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Must not reach bodies of water or drainage ditch undiluted or unneutralized.

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*Danger to drinking water if even small quantities leak into the ground.*

*Harmful to aquatic organisms*

**· Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

**· Waste treatment methods**

**· Recommendation:**

*Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*

**· Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

**· UN-Number**

· **DOT, ADR, IMDG, IATA** UN2619

**· UN proper shipping name**

· **DOT** Benzyl dimethylamine  
 · **ADR** 2619 Benzyl dimethylamine  
 · **IMDG, IATA** BENZYL DIMETHYLAMINE

**· Transport hazard class(es)**

**· DOT**



· **Class** 8 Corrosive substances  
 · **Label** 8 + 3

**· ADR**



· **Class** 8 Corrosive substances  
 · **Label** 8+3

**· IMDG, IATA**



· **Class** 8 Corrosive substances  
 · **Label** 8 + 3

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· <b>Packing group</b> · DOT, ADR, IMDG, IATA	II
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b> · <b>Danger code (Kemler):</b> · <b>EMS Number:</b>	Warning: Corrosive substances 83 F-E,S-C
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b> · DOT · <b>Quantity limitations</b>	On passenger aircraft/rail: 1 L On cargo aircraft only: 30 L
· <b>ADR</b> · <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>IMDG</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN2619, Benzyl dimethylamine, 8 (3), II

## 15 Regulatory information

· <b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b> · Sara
· <b>Section 355 (extremely hazardous substances):</b> Substance is not listed.
· <b>Section 313 (Specific toxic chemical listings):</b> Substance is not listed.
· <b>TSCA (Toxic Substances Control Act):</b> Substance is listed.
· <b>Proposition 65</b>
· <b>Chemicals known to cause cancer:</b> Substance is not listed.
· <b>Chemicals known to cause reproductive toxicity for females:</b> Substance is not listed.
· <b>Chemicals known to cause reproductive toxicity for males:</b> Substance is not listed.
· <b>Chemicals known to cause developmental toxicity:</b> Substance is not listed.

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**Trade name: (BDMA) N-Benzyl dimethylamine**

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· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

Substance is not listed.

· **TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**



Corrosive

· **Risk phrases:**

Flammable.

Harmful by inhalation, in contact with skin and if swallowed.

Causes severe burns.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing, gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Avoid release to the environment. Refer to special instructions/safety data sheets.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 05/07/2015 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

**Safety data sheet**  
according to 1907/2006/EC, Article 31



Printing date 07.05.2015

Revision: 07.05.2015

## 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** (BDMA) N-Benzyl dimethylamine
- **Article number:** 11400, 11400-25
- **CAS Number:**  
103-83-3
- **EC number:**  
203-149-1
- **Index number:**  
612-074-00-7
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: sgkcck@aol.com  
www.emsdiasum.com
- ProSciTech Pty Ltd  
11 Carlton Street, Kirwan QLD 4817 Australia  
Telephone Number: (07) 4773 9444 - 8:30am - 5:00pm, Monday to Friday (excluding Public Holidays)  
Emergency Contact: (07) 4773 9444 - 8:30am - 5:00pm, Monday to Friday (excluding Public Holidays)
- Emgrid Australia Pty. Ltd.  
P.O. Box 118  
The Patch VIC 3792  
Australia  
Tel: 03 9752 1785  
Fax: 03 9752 1784  
Website: www.emgrid.com.au
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

## 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
-  **Corrosive**  
Causes severe burns.
-  **Harmful**  
Harmful by inhalation, in contact with skin and if swallowed.  
Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Information concerning particular hazards for human and environment:** Not applicable.

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# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 07.05.2015

Revision: 07.05.2015

**Trade name: (BDMA) N-Benzyl dimethylamine**

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· **Label elements**

· **Labelling according to EU guidelines:**

*The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.*

· **Code letter and hazard designation of product:**



Corrosive

· **Risk phrases:**

*Flammable.*

*Harmful by inhalation, in contact with skin and if swallowed.*

*Causes severe burns.*

*Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

· **Information concerning particular hazards for human and environment:**

· **Safety phrases:**

*In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.*

*Wear suitable protective clothing, gloves and eye/face protection.*

*In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).*

*Avoid release to the environment. Refer to special instructions/safety data sheets.*

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

### 3 Composition/information on ingredients

· **Chemical characterisation: Substances**

· **CAS No. Description**

*103-83-3 benzyl dimethylamine*

· **Identification number(s)**

· **EC number:** 203-149-1

· **Index number:** 612-074-00-7

### 4 First aid measures

· **Description of first aid measures**

· **General information:**

*Immediately remove any clothing soiled by the product.*

*Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*

· **After inhalation:**

*Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.*

*In case of unconsciousness place patient stably in side position for transportation.*

· **After skin contact:** *Immediately wash with water and soap and rinse thoroughly.*

· **After eye contact:** *Rinse opened eye for several minutes under running water. Then consult a doctor.*

· **After swallowing:**

*Call for a doctor immediately.*

*Drink plenty of water and provide fresh air. Call for a doctor immediately.*

· **Most important symptoms and effects, both acute and delayed** *No further relevant information available.*

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**Safety data sheet**  
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**Trade name: (BDMA) N-Benzyldimethylamine**

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- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect from heat.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

AU

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# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.05.2015

Revision: 07.05.2015

Trade name: (BDMA) N-Benzyl dimethylamine

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## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:**  
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Light yellow
- **Odour:** Amine-like
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**

<b>Melting point/Melting range:</b>	-75 °C
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**Safety data sheet**  
according to 1907/2006/EC, Article 31

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Trade name: (BDMA) N-Benzyl dimethylamine

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<b>Boiling point/Boiling range:</b>	176 °C
· <b>Flash point:</b>	54 °C
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined.
· <b>Self-igniting:</b>	Not determined.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	2.8 hPa
· <b>Density at 20 °C:</b>	0.915 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>VOC (EC)</b>	0.00 %
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

103-83-3 benzyldimethylamine

Oral	LD50	265 mg/kg (rat)
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# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.05.2015

Revision: 07.05.2015

**Trade name: (BDMA) N-Benzyl dimethylamine**

(Contd. of page 5)

Dermal	LD50	1660 mg/kg (rabbit)
Inhalative	LC50/4 h	2.06 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Strong caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitisation:** No sensitising effects known.
- **Additional toxicological information:**  
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Must not reach sewage water or drainage ditch undiluted or unneutralised.  
Danger to drinking water if even small quantities leak into the ground.  
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- |                                  |                           |
|----------------------------------|---------------------------|
| · <b>UN-Number</b>               |                           |
| · <b>ADG, IMDG, IATA</b>         | UN2619                    |
| · <b>UN proper shipping name</b> |                           |
| · <b>ADG</b>                     | 2619 BENZYL DIMETHYLAMINE |
| · <b>IMDG, IATA</b>              | BENZYL DIMETHYLAMINE      |

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AU



**Safety data sheet**  
according to 1907/2006/EC, Article 31

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Revision: 07.05.2015

Trade name: (BDMA) N-Benzyl dimethylamine

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· Transport hazard class(es)

· ADG



· Class 8 Corrosive substances.  
· Label 8+3

· IMDG, IATA



· Class 8 Corrosive substances.  
· Label 8 + 3

· Packing group

· ADG, IMDG, IATA II

· Environmental hazards:

· Marine pollutant: No

· Special precautions for user

Warning: Corrosive substances.

· Danger code (Kemler):

83

· EMS Number:

F-E,S-C

· Transport in bulk according to Annex II of  
MARPOL73/78 and the IBC Code

Not applicable.

· Transport/Additional information:

· ADG

· Limited quantities (LQ)

1L

· Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· Transport category

2

· Tunnel restriction code

D/E

· IMDG

· Limited quantities (LQ)

1L

· Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

### 15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

· Australian Inventory of Chemical Substances

Substance is listed.

· Standard for the Uniform Scheduling of Medicines and Poisons

Substance is not listed.

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-AU



**Safety data sheet**  
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**Trade name: (BDMA) N-Benzyl dimethylamine**

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**· Labelling according to EU guidelines:**

*The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.*

**· Code letter and hazard designation of product:**

Corrosive

**· Risk phrases:**

*Flammable.*

*Harmful by inhalation, in contact with skin and if swallowed.*

*Causes severe burns.*

*Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

**· Safety phrases:**

*In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.*

*Wear suitable protective clothing, gloves and eye/face protection.*

*In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).*

*Avoid release to the environment. Refer to special instructions/safety data sheets.*

**· Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

AU

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/07/2015

Reviewed on 05/07/2015

## 1 Identification

- **Product identifier**
- **Trade name:** (BDMA) N-Benzylidimethylamine
- **Article number:** 11400, 11400-25
- **CAS Number:**  
103-83-3
- **EC number:**  
203-149-1
- **Index number:**  
612-074-00-7
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: sgkcck@aol.com  
www.emsdiasum.com
- **Information department:** Product safety department
- **Emergency telephone number:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS05 Corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Corrosive

Causes severe burns.



Harmful

Harmful by inhalation, in contact with skin and if swallowed.

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# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/07/2015

Reviewed on 05/07/2015

**Trade name: (BDMA) N-Benzyldimethylamine**

(Contd. of page 1)

*Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

· **Information concerning particular hazards for human and environment:** *Not applicable.*

· **Label elements**

· **Labelling according to EU guidelines:**

*The product has been classified and marked in accordance with directives on hazardous materials.*

· **Code letter and hazard designation of product:**



Corrosive

· **Risk phrases:**

*Flammable.*

*Harmful by inhalation, in contact with skin and if swallowed.*

*Causes severe burns.*

*Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

· **Safety phrases:**

*In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.*

*Wear suitable protective clothing, gloves and eye/face protection.*

*In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).*

*Avoid release to the environment. Refer to special instructions/safety data sheets.*

· **Hazard description:**

· **WHMIS-symbols:**

*B3 - Combustible liquid*

*D1B - Toxic material causing immediate and serious toxic effects*

*D2B - Toxic material causing other toxic effects*

*E - Corrosive material*



· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



*Health = 3*

*Fire = 2*

*Reactivity = 0*

· **HMIS-ratings (scale 0 - 4)**



*Health = 3*

*Fire = 2*

*Reactivity = 0*

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** *Not applicable.*

· **vPvB:** *Not applicable.*

CA

(Contd. on page 3)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/07/2015

Reviewed on 05/07/2015

**Trade name: (BDMA) N-Benzyl dimethylamine**

(Contd. of page 2)

### 3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**  
103-83-3 benzyl dimethylamine
- **Identification number(s)**
- **EC number: 203-149-1**
- **Index number: 612-074-00-7**

### 4 First-aid measures

- **Description of first aid measures**
- **General information:**  
Immediately remove any clothing soiled by the product.  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Immediately call a doctor.  
Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralizing agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents

(Contd. on page 4)

CA

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/07/2015

Reviewed on 05/07/2015

**Trade name: (BDMA) N-Benzyl dimethylamine**

(Contd. of page 3)

- **Reference to other sections**  
See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

## 7 Handling and storage

- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect from heat.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Breathing equipment:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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# Safety Data Sheet

acc. to OSHA HCS

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Trade name: (BDMA) N-Benzyl dimethylamine

(Contd. of page 4)

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

**Form:** Liquid  
**Color:** Light yellow

- **Odor:** Amine-like

- **Odour threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

**Melting point/Melting range:** -75 °C

**Boiling point/Boiling range:** 176 °C

- **Flash point:** 54 °C

- **Flammability (solid, gaseous):** Not flammable.

- **Ignition temperature:**

**Decomposition temperature:** Not determined.

- **Auto igniting:** Not determined.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

- **Explosion limits:**

**Lower:** Not determined.

**Upper:** Not determined.

- **Vapor pressure at 20 °C:** 2.8 hPa

- **Density at 20 °C:** 0.915 g/cm<sup>3</sup>

- **Relative density** Not determined.

- **Vapour density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with**

**Water:** Not miscible or difficult to mix.

- **Partition coefficient (n-octanol/water):** Not determined.

- **Viscosity:**

**Dynamic:** Not determined.

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# Safety Data Sheet

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**Trade name: (BDMA) N-Benzyl dimethylamine**

(Contd. of page 5)

<b>Kinematic:</b>	Not determined.
<b>Organic solvents:</b>	0.0 %
<b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

### 103-83-3 benzyl dimethylamine

Oral	LD50	265 mg/kg (rat)
Dermal	LD50	1660 mg/kg (rabbit)
Inhalative	LC50/4 h	2.06 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Strong caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

Substance is not listed.

· **NTP (National Toxicology Program)**

Substance is not listed.

· **OSHA-Ca (Occupational Safety Health Administration)**

Substance is not listed.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish

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# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/07/2015

Reviewed on 05/07/2015

**Trade name: (BDMA) N-Benzyl dimethylamine**

(Contd. of page 6)

- **Additional ecological information:**
- **General notes:**  
*Water hazard class 2 (Assessment by list): hazardous for water  
 Do not allow product to reach ground water, water course or sewage system.  
 Must not reach bodies of water or drainage ditch undiluted or unneutralized.  
 Danger to drinking water if even small quantities leak into the ground.  
 Harmful to aquatic organisms*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
*Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- |                                  |                           |
|----------------------------------|---------------------------|
| <b>· UN-Number</b>               |                           |
| <b>· DOT, TDG, IMDG, IATA</b>    | UN2619                    |
| <b>· UN proper shipping name</b> |                           |
| <b>· DOT</b>                     | Benzyl dimethylamine      |
| <b>· TDG</b>                     | 2619 Benzyl dimethylamine |
| <b>· IMDG, IATA</b>              | BENZYLDIMETHYLAMINE       |

- **Transport hazard class(es)**

- **DOT**



- |   |                        |
|---|------------------------|
| <b>· Class</b>                            | 8 Corrosive substances |
| <b>· Label</b>                            | 8 + 3                  |
| <b>· TDG (Transport dangerous goods):</b> |                        |



- |                |                        |
|----------------|------------------------|
| <b>· Class</b> | 8 Corrosive substances |
| <b>· Label</b> | 8+3                    |

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# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/07/2015

Reviewed on 05/07/2015

Trade name: (BDMA) N-Benzyl dimethylamine

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· **IMDG, IATA**

· **Class** 8 Corrosive substances  
 · **Label** 8 + 3

· **Packing group**  
 · **DOT, TDG, IMDG, IATA** II

· **Environmental hazards:**  
 · **Marine pollutant:** No

· **Special precautions for user** Warning: Corrosive substances  
 · **Danger code (Kemler):** 83  
 · **EMS Number:** F-E,S-C

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **DOT**  
 · **Quantity limitations** On passenger aircraft/rail: 1 L  
 On cargo aircraft only: 30 L

· **TDG**  
 · **Excepted quantities (EQ)** Code: E2  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 500 ml

· **IMDG**  
 · **Limited quantities (LQ)** 1L  
 · **Excepted quantities (EQ)** Code: E2  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 500 ml

· **UN "Model Regulation":** UN2619, Benzyl dimethylamine, 8 (3), II

## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
 · **Sara**

· **Section 355 (extremely hazardous substances):**

Substance is not listed.

· **Section 313 (Specific toxic chemical listings):**

Substance is not listed.

· **TSCA (Toxic Substances Control Act):**

Substance is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

Substance is not listed.

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# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/07/2015

Reviewed on 05/07/2015

**Trade name: (BDMA) N-Benzyldimethylamine**

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· **Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

· **Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

· **Chemicals known to cause developmental toxicity:**

Substance is not listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

Substance is not listed.

· **TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

· **Canadian substance listings:**

· **Canadian Domestic Substances List (DSL)**

Substance is listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

Substance is not listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

Substance is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**



Corrosive

· **Risk phrases:**

Flammable.

Harmful by inhalation, in contact with skin and if swallowed.

Causes severe burns.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing, gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Avoid release to the environment. Refer to special instructions/safety data sheets.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** 05/07/2015 / -

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**Safety Data Sheet**  
**acc. to OSHA HCS**

Printing date 05/07/2015

Reviewed on 05/07/2015

**Trade name: (BDMA) N-Benzyl dimethylamine**

(Contd. of page 9)

**· Abbreviations and acronyms:**

*IMDG: International Maritime Code for Dangerous Goods*  
*DOT: US Department of Transportation*  
*IATA: International Air Transport Association*  
*ACGIH: American Conference of Governmental Industrial Hygienists*  
*EINECS: European Inventory of Existing Commercial Chemical Substances*  
*CAS: Chemical Abstracts Service (division of the American Chemical Society)*  
*NFPA: National Fire Protection Association (USA)*  
*HMIS: Hazardous Materials Identification System (USA)*  
*WHMIS: Workplace Hazardous Materials Information System (Canada)*  
*LC50: Lethal concentration, 50 percent*  
*LD50: Lethal dose, 50 percent*  
*Flam. Liq. 3: Flammable liquids, Hazard Category 3*  
*Acute Tox. 4: Acute toxicity, Hazard Category 4*  
*Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B*

CA

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 07.05.2015

Revision: 07.05.2015

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** (BDMA) N-Benzylidimethylamine
- **Article number:** 11400, 11400-25
- **CAS Number:**  
103-83-3
- **EC number:**  
203-149-1
- **Index number:**  
612-074-00-7
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Laboratory chemicals
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: sgkcck@aol.com  
www.emsdiasum.com
- **Further information obtainable from:** Product safety department
- **1.4 Emergency telephone number:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3      H226 Flammable liquid and vapour.



GHS05 corrosion

Skin Corr. 1B      H314 Causes severe skin burns and eye damage.



GHS07

Acute Tox. 4      H302 Harmful if swallowed.

Acute Tox. 4      H312 Harmful in contact with skin.

Acute Tox. 4      H332 Harmful if inhaled.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The substance is classified and labelled according to the CLP regulation.

(Contd. on page 2)

GB

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.05.2015

Revision: 07.05.2015

Trade name: (BDMA) N-Benzyl dimethylamine

(Contd. of page 1)

## · Hazard pictograms



GHS02   GHS05   GHS07

· Signal word *Danger*

## · Hazard-determining components of labelling:

*benzyl dimethylamine*

## · Hazard statements

H226      *Flammable liquid and vapour.*H302+H312+H332      *Harmful if swallowed, in contact with skin or if inhaled.*H314      *Causes severe skin burns and eye damage.*H412      *Harmful to aquatic life with long lasting effects.*

## · Precautionary statements

P210      *Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*P303+P361+P353      *IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.*P305+P351+P338      *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*P310      *Immediately call a POISON CENTER/doctor.*P405      *Store locked up.*P501      *Dispose of contents/container in accordance with local/regional/national/international regulations.*

## · 2.3 Other hazards

## · Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

## · 3.1 Chemical characterisation: Substances

## · CAS No. Description

103-83-3 benzyl dimethylamine

## · Identification number(s)

· EC number: 203-149-1

· Index number: 612-074-00-7

## SECTION 4: First aid measures

## · 4.1 Description of first aid measures

## · General information:

*Immediately remove any clothing soiled by the product.**Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*

## · After inhalation:

*Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.**In case of unconsciousness place patient stably in side position for transportation.*· After skin contact: *Immediately wash with water and soap and rinse thoroughly.*· After eye contact: *Rinse opened eye for several minutes under running water. Then consult a doctor.*

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**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 07.05.2015

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**Trade name: (BDMA) N-Benzyl dimethylamine**

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- **After swallowing:**  
Call for a doctor immediately.  
Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect from heat.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Protect from heat and direct sunlight.

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- 7.3 Specific end use(s) No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
  - **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - **Eye protection:**



Tightly sealed goggles

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
- **Form:** Liquid
- **Colour:** Light yellow
- **Odour:** Amine-like
- **Odour threshold:** Not determined.

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· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	-75 °C
<b>Boiling point/Boiling range:</b>	176 °C
· <b>Flash point:</b>	54 °C
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined.
· <b>Self-igniting:</b>	Not determined.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapour pressure at 20 °C:</b>	2.8 hPa
· <b>Density at 20 °C:</b>	0.915 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>VOC (EC)</b>	0.00 %
· <b>9.2 Other information</b>	No further relevant information available.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

**103-83-3 benzyl dimethylamine**

Oral	LD50	265 mg/kg (rat)
Dermal	LD50	1660 mg/kg (rabbit)
Inhalative	LC50/4 h	2.06 mg/l (rat)

- **Primary irritant effect:**

- **on the skin:** Strong caustic effect on skin and mucous membranes.

- **on the eye:** Strong caustic effect.

- **Sensitisation:** No sensitising effects known.

- **Additional toxicological information:**

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

## SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- **Ecotoxicological effects:**

- **Remark:** Harmful to fish

- **Additional ecological information:**

- **General notes:**

Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

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### SECTION 14: Transport information

· 14.1 UN-Number · ADR, IMDG, IATA	UN2619
· 14.2 UN proper shipping name · ADR · IMDG, IATA	2619 BENZYLDIMETHYLAMINE BENZYLDIMETHYLAMINE
· 14.3 Transport hazard class(es) · ADR	 
· Class · Label	8 Corrosive substances. 8+3
· IMDG, IATA	 
· Class · Label	8 Corrosive substances. 8 + 3
· 14.4 Packing group · ADR, IMDG, IATA	II
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user · Danger code (Kemler): · EMS Number:	Warning: Corrosive substances. 83 F-E,S-C
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category · Tunnel restriction code	2 D/E
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

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· **UN "Model Regulation":** UN2619, BENZYLDIMETHYLAMINE, 8 (3), II

### **SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

GB

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## RUBRIEK 1: Identificatie van de stof of het mengsel en van de vennootschap/onderneming

### · 1.1 Productidentificatie

· **Handelsnaam:** *(BDMA) N-Benzyl dimethylamine*

· **Artikelnummer:** 11400, 11400-25

· **CAS-nummer:**  
103-83-3

· **EC-nummer:**  
203-149-1

· **Catalogusnummer:**  
612-074-00-7

· **1.2 Relevant geïdentificeerd gebruik van de stof of het mengsel en ontraden gebruik**  
*Geen verdere relevante informatie verkrijgbaar.*

· **Toepassing van de stof / van de bereiding** *Laboratoriumchemicaliën*

· **1.3 Details betreffende de verstrekker van het veiligheidsinformatieblad**

· **Fabrikant/leverancier:**

*Electron Microscopy Sciences*

*1560 Industry Road*

*USA-Hatfield, PA 19440*

*Tel: 215-412-8400 Fax: 215-412-8450*

*email: sgkcck@aol.com*

*www.emsdiasum.com*

*Aurion*

*Binnenhaven 5*

*6709 PD Wageningen*

*The Netherlands*

*Tel: 31 317 415094*

*Fax: 31 317 415955*

*email: info@aurion.nl*

· **Inlichtinggevendende sector:** *Product safety department*

· **1.4 Telefoonnummer voor noodgevallen:**

*ChemTrec 1-800-424-9300 Contract CCN7661*

*1-703-527-3887*

## RUBRIEK 2: Identificatie van de gevaren

· **2.1 Indeling van de stof of het mengsel**

· **Indeling overeenkomstig Verordening (EG) nr. 1272/2008**



GHS02 vlam

*Flam. Liq. 3      H226 Ontvlambare vloeistof en damp.*



GHS05 corrosie

*Skin Corr. 1B      H314 Veroorzaakt ernstige brandwonden en oogletsel.*



GHS07

*Acute Tox. 4      H302 Schadelijk bij inslikken.*

(Vervolg op blz. 2)

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(Vervolg van blz. 1)

Acute Tox. 4      H312 Schadelijk bij contact met de huid.

Acute Tox. 4      H332 Schadelijk bij inademing.

Aquatic Chronic 3 H412 Schadelijk voor in het water levende organismen, met langdurige gevolgen.

### 2.2 Etiketteringselementen

#### Etikettering overeenkomstig Verordening (EG) nr. 1272/2008

De stof/product is geclassificeerd en geëtiketteerd volgens de CLP-verordening.

#### Gevarenpictogrammen



GHS02    GHS05    GHS07

#### Signaalwoord Gevaar

#### Gevaaraanduidende componenten voor de etikettering:

benzyl dimethylamine

#### Gevarenaanduidingen

H226      Ontvlambare vloeistof en damp.

H302+H312+H332 Schadelijk bij inslikken, bij contact met de huid en bij inademing.

H314      Veroorzaakt ernstige brandwonden en oogletsel.

H412      Schadelijk voor in het water levende organismen, met langdurige gevolgen.

#### Voorzorgsmaatregelen

P210      Verwijderd houden van warmte/vonken/open vuur/hete oppervlakken. - Niet roken.

P303+P361+P353 BIJ CONTACT MET DE HUID (of het haar): verontreinigde kleding onmiddellijk uittrekken - huid met water afspoelen/afdouchen.

P305+P351+P338 BIJ CONTACT MET DE OGEN: voorzichtig afspoelen met water gedurende een aantal minuten; contactlenzen verwijderen, indien mogelijk; blijven spoelen.

P310      Onmiddellijk een ANTIGIFCENTRUM/arts raadplegen.

P405      Achter slot bewaren.

P501      De inhoud en de verpakking verwerken volgens de plaatselijke/regionale/nationale/internationale voorschriften.

#### 2.3 Andere gevaren

#### Resultaten van PBT- en zPzB-beoordeling

• **PBT:** Niet bruikbaar.

• **zPzB:** Niet bruikbaar.

## RUBRIEK 3: Samenstelling en informatie over de bestanddelen

### 3.1 Chemische karakterisering: Stoffen

#### CAS-Nr. omschrijving

103-83-3 benzyl dimethylamine

#### Identificatienummer(s)

• **EC-nummer:** 203-149-1

• **Catalogusnummer:** 612-074-00-7

NL

(Vervolg op blz. 3)

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### RUBRIEK 4: Eerstehulpmaatregelen

#### · 4.1 Beschrijving van de eerstehulpmaatregelen

##### · Algemene informatie:

Verontreinigde kleding onmiddellijk uittrekken.

Het is mogelijk dat vergiftigingssymptomen pas na vele uren optreden. Om deze reden is medische controle gedurende minstens 48 uur na een ongeval noodzakelijk.

##### · Na het inademen:

Frisse lucht toedienen, eventueel beademing, warmte. Wanneer de klachten niet ophouden, een arts raadplegen.

Bij bewusteloosheid ligging en vervoer in stabiele zijligging.

##### · Na huidcontact: Onmiddellijk met water en zeep afwassen en goed naspoelen.

##### · Na oogcontact: Ogen met open ooglid een aantal minuten onder stromend water afspoelen en dokter raadplegen.

##### · Na inslikken:

Onmiddellijk arts raadplegen.

Drink zeer veel water en voer verse lucht aan. Onmiddellijk een dokter waarschuwen.

#### · 4.2 Belangrijkste acute en uitgestelde symptomen en effecten

Geen verdere relevante informatie verkrijgbaar.

#### · 4.3 Vermelding van de vereiste onmiddellijke medische verzorging en speciale behandeling

Geen verdere relevante informatie verkrijgbaar.

### RUBRIEK 5: Brandbestrijdingsmaatregelen

#### · 5.1 Blusmiddelen

##### · Geschikte blusmiddelen: CO<sub>2</sub>, zand, bluspoeder. Geen water gebruiken.

##### · Blusmiddelen die uit veiligheidsoogpunt niet geschikt zijn: Krachtige waterstraal

#### · 5.2 Speciale gevaren die door de stof of het mengsel worden veroorzaakt

Geen verdere relevante informatie verkrijgbaar.

#### · 5.3 Advies voor brandweertieners

##### · Speciale beschermende kleding: Ademhalingstoestel aantrekken.

### RUBRIEK 6: Maatregelen bij het accidenteel vrijkomen van de stof of het mengsel

#### · 6.1 Persoonlijke voorzorgsmaatregelen, beschermde uitrusting en noodprocedures

Beschermende kleding aantrekken. Niet beschermde personen op afstand houden.

#### · 6.2 Milieuvorzorgsmaatregelen:

Bij indringen in afvalwater of riolering moet de bevoegde instantie gewaarschuwd worden.

Niet in de riolering/het oppervlaktewater/het grondwater laten terechtkomen.

#### · 6.3 Insluitings- en reinigingsmethoden en -materiaal:

Met vloeistofbindend materiaal (zand, bergmeel, zuurbinder, universele binder, zaagmeel) opnemen.

Neutralisatiemiddel gebruiken.

Besmet materiaal zoals afval volgens punt 13 verwijderen.

Voor voldoende ventilatie zorgen.

Niet met water of waterachtige reinigingsmiddelen wegspoelen.

#### · 6.4 Verwijzing naar andere rubrieken

Informatie inzake veilig gebruik - zie hoofdstuk 7.

Informatie inzake persoonlijke beschermingsuitrusting - zie hoofdstuk 8.

Informatie inzake berging - zie hoofdstuk 13.

### RUBRIEK 7: Hantering en opslag

#### · 7.1 Voorzorgsmaatregelen voor het veilig hanteren van de stof of het mengsel

Voor goede ventilatie/afzuiging op de werkplaatsen zorgen.

(Vervolg op blz. 4)

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- Aërosolvorming vermijden.
- **Informatie m.b.t. brand- en ontploffingsgevaar:**  
Onststekingsbronnen op afstand houden - niet roken.  
Beschermen tegen hitte.  
Maatregelen treffen tegen ontlading van statische elektriciteit.
- **7.2 Voorwaarden voor een veilige opslag, met inbegrip van incompatibele producten**
- **Opslag:**
- **Eisen ten opzichte van opslagruimte en tanks:** Geen bijzondere eisen.
- **Informatie m.b.t. gezamenlijke opslag:** Niet noodzakelijk.
- **Verdere inlichtingen over eisen m.b.t. de opslag:**  
Tanks ondoordringbaar gesloten houden.  
Tegen hitte en directe zonnestrallen beschermen.
- **7.3 Specifiek eindgebruik** Geen verdere relevante informatie verkrijgbaar.

### RUBRIEK 8: Maatregelen ter beheersing van blootstelling/persoonlijke bescherming

- **Aanvullende gegevens m.b.t. de inrichting van technische installaties:** Geen aanvullende gegevens. Zie 7.
- **8.1 Controleparameters**
- **Bestanddelen met grenswaarden die m.b.t. de werkruimte in acht genomen moeten worden:** Vervalt.
- **Aanvullende gegevens:** Als basis dienden lijsten die bij opstelling geldig waren.
- **8.2 Maatregelen ter beheersing van blootstelling**
- **Persoonlijke beschermingsvoorzieningen:**
- **Algemene beschermings- en gezondheidsmaatregelen:**  
Verwijderd houden van eet- en drinkwaren.  
Verontreinigde kleding onmiddellijk uittrekken.  
Vóór de pauze en aan het einde van werktijd handen wassen.  
Aanraking met de ogen en de huid vermijden.
- **Ademhalingsbescherming:**  
Bij korte of geringe belasting ademfiltertoestel; bij intensieve resp. langdurige expositie een van de omringende lucht onafhankelijk ademhalingsstoestel gebruiken.
- **Handbescherming:**



Veiligheidshandschoenen

- Het handschoenmateriaal moet ondoorlatend en bestand zijn tegen het product / de stof / de bereiding.  
Op grond van falende testen kan geen aanbeveling voor handschoenmateriaal voor het product / de bereiding / het chemicaliënmengsel afgegeven worden.  
Kies handschoenmateriaal rekening houdend met de penetratietijden, de permeatiegraden en de degradatie.
- **Handschoenmateriaal**  
De keuze van een geschikte handschoen is niet alleen afhankelijk van het materiaal, maar ook van andere kwaliteitskenmerken en verschilt van fabrikant tot fabrikant.
  - **Doordringingstijd van het handschoenmateriaal**  
De precieze penetratietijd kunt u te weten komen bij de handschoenfabrikant; houd er rekening mee.

(Vervolg op blz. 5)



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## · Oogbescherming:



Nauw aansluitende veiligheidsbril

## RUBRIEK 9: Fysische en chemische eigenschappen

## · 9.1 Informatie over fysische en chemische basiseigenschappen

## · Algemene gegevens

## · Voorkomen:

Vorm:	Vloeistof
Kleur:	Lichtgeel
Reuk:	Amine-achtig
Geurdrempelwaarde:	Niet bepaald.

· pH-waarde: Niet bepaald.

## · Toestandsverandering

Smeltpunt/smeltbereik:	-75 °C
Kookpunt/kookpuntbereik:	176 °C

· Vlampunt: 54 °C

· Ontvlambaarheid (vast, gasvormig): Niet bruikbaar.

## · Ontstekingstemperatuur:

Ontbindingstemperatuur: Niet bepaald.

· Zelfonsteking: Niet bepaald.

· Ontploffingsgevaar: Het produkt is niet ontploffingsgevaarlijk, maar de vorming van ontploffingsgevaarlijke damp-/luchtmengsels is mogelijk.

## · Ontploffingsgrenzen:

Onderste:	Niet bepaald.
Bovenste:	Niet bepaald.

· Dampspanning bij 20 °C: 2,8 hPa

· Dichtheid bij 20 °C: 0,915 g/cm<sup>3</sup>

· Relatieve dichtheid: Niet bepaald.

· Dampdichtheid: Niet bepaald.

· Verdampingsnelheid: Niet bepaald.

## · Oplosbaarheid in/mengbaarheid met

Water: Niet resp. gering mengbaar.

· Verdelingscoëfficiënt (n-octanol/water): Niet bepaald.

## · Viscositeit

Dynamisch: Niet bepaald.

Kinematisch: Niet bepaald.

## · Oplosmiddelgehalte:

Organisch oplosmiddel:	0,0 %
VOC (EG)	0,00 %

(Vervolg op blz. 6)



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· **9.2 Overige informatie** *Geen verdere relevante informatie verkrijgbaar.*

### RUBRIEK 10: Stabiliteit en reactiviteit

- **10.1 Reactiviteit**
- **10.2 Chemische stabiliteit**
- **Thermische afbraak / te vermijden omstandigheden:** *Geen afbraak bij gebruik volgens voorschrift.*
- **10.3 Mogelijke gevaarlijke reacties** *Geen gevaarlijke reacties bekend.*
- **10.4 Te vermijden omstandigheden** *Geen verdere relevante informatie verkrijgbaar.*
- **10.5 Chemisch op elkaar inwerkende materialen:** *Geen verdere relevante informatie verkrijgbaar.*
- **10.6 Gevaarlijke ontledingsproducten:** *Geen gevaarlijke ontbindingsproducten bekend.*

### RUBRIEK 11: Toxicologische informatie

- **11.1 Informatie over toxicologische effecten**
- **Acute toxiciteit:**

· **Indelingsrelevantie LD/LC50-waarden:**

#### 103-83-3 benzyldimethylamine

Oraal	LD50	265 mg/kg (rat)
Dermaal	LD50	1660 mg/kg (rabbit)
Inhalatief	LC50/4 h	2,06 mg/l (rat)

- **Primaire aandoening:**
- **op de huid:** *Sterk bijtend effect op de huid en de slijmvliezen.*
- **aan het oog:** *Sterk bijtend effect.*
- **Overgevoeligheid:** *Geen effect van overgevoeligheid bekend.*
- **Aanvullende toxicologische informatie:**  
*Bij het slikken sterk bijtende effecten in de mondholte en de keel, bovendien gevaar voor perforatie van de slokdarm en de maag.*

### RUBRIEK 12: Ecologische informatie

- **12.1 Toxiciteit**
- **Aquatische toxiciteit:** *Geen verdere relevante informatie verkrijgbaar.*
- **12.2 Persistentie en afbreekbaarheid** *Geen verdere relevante informatie verkrijgbaar.*
- **12.3 Bioaccumulatie** *Geen verdere relevante informatie verkrijgbaar.*
- **12.4 Mobiliteit in de bodem** *Geen verdere relevante informatie verkrijgbaar.*
- **Ecotoxische effecten:**
- **Opmerking:** *Schadelijk voor vissen.*
- **Verdere ecologische informatie:**
- **Algemene informatie:**  
*Waterbezwaarlijkheid (NL) 8: Schadelijk voor in het water levende organismen; kan in het aquatisch milieu op lange termijn schadelijke effecten veroorzaken.*  
*Gevaar voor water klasse 2 (D) (Lijstclassificatie): gevaar voor water*  
*Niet lozen in grondwater, in oppervlaktewater of in riolering.*  
*Mag niet onverdund of niet geneutraliseerd in oppervlaktewater of in afwateringskanaal geloosd worden.*  
*Gevaar voor drinkwater zelfs bij uitlopen van geringe hoeveelheden in de ondergrond.*  
*schadelijk voor in het water levende organismen*
- **12.5 Resultaten van PBT- en zPzB-beoordeling**
- **PBT:** *Niet bruikbaar.*

(Vervolg op blz. 7)

# Veiligheidsinformatieblad

## volgens 1907/2006/EG, Artikel 31

datum van de druk: 07.05.2015

Herziening van: 07.05.2015

**Handelsnaam: (BDMA) N-Benzyl dimethylamine**





(Vervolg van blz. 6)

- **zPzB:** Niet bruikbaar.
- **12.6 Andere schadelijke effecten** Geen verdere relevante informatie verkrijgbaar.

### RUBRIEK 13: Instructies voor verwijdering

- **13.1 Afvalverwerkingsmethoden**
- **Aanbeveling:** Mag niet tesamen met huisvuil gestort worden of in de riolering terecht komen.
- **Niet gereinigde verpakkingen:**
- **Aanbeveling:** Afvalverwijdering volgens overheidsbepalingen.

### RUBRIEK 14: Informatie met betrekking tot het vervoer

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>· <b>14.1 VN-nummer</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>  | <p>UN2619</p>  |
| <ul style="list-style-type: none"> <li>· <b>14.2 Juiste ladingnaam overeenkomstig de modelreglementen van de VN</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG, IATA</b></li> </ul>  | <p>2619 BENZYLDIMETHYLAMINE<br/>BENZYLDIMETHYLAMINE</p>  |
| <ul style="list-style-type: none"> <li>· <b>14.3 Transportgevarenklasse(n)</b></li> <li>· <b>ADR</b></li> </ul>  | <p>8 Bijtende stoffen<br/>8+3</p>                        |
| <div style="display: flex; align-items: center; gap: 10px;">   </div> <ul style="list-style-type: none"> <li>· <b>klasse</b></li> <li>· <b>Etiket</b></li> </ul> | <p>8 Bijtende stoffen<br/>8+3</p>                        |
| <ul style="list-style-type: none"> <li>· <b>IMDG, IATA</b></li> </ul>  | <p>8 Bijtende stoffen<br/>8 + 3</p>                      |
| <div style="display: flex; align-items: center; gap: 10px;">   </div> <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul> | <p>8 Bijtende stoffen<br/>8 + 3</p>                      |
| <ul style="list-style-type: none"> <li>· <b>14.4 Verpakkingsgroep:</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>  | <p>II</p>  |
| <ul style="list-style-type: none"> <li>· <b>14.5 Milieugevaren:</b></li> <li>· <b>Marine pollutant:</b></li> </ul>   | <p>Neen</p>  |
| <ul style="list-style-type: none"> <li>· <b>14.6 Bijzondere voorzorgen voor de gebruiker</b></li> <li>· <b>Kemler-getal:</b></li> <li>· <b>EMS-nummer:</b></li> </ul>  | <p>Waarschuwing: Bijtende stoffen<br/>83<br/>F-E,S-C</p> |
| <ul style="list-style-type: none"> <li>· <b>14.7 Vervoer in bulk overeenkomstig bijlage II bij MARPOL 73/78 en de IBC-code</b></li> </ul>  | <p>Niet bruikbaar.</p>                                   |

(Vervolg op blz. 8)

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**Handelsnaam: (BDMA) N-Benzyl dimethylamine**

(Vervolg van blz. 7)

**· Transport/verdere gegevens:****· ADR****· Beperkte hoeveelheden (LQ)**

1L

**· Uitgezonderde hoeveelheden (EQ)**

Code: E2

Grootste netto hoeveelheid per binnenverpakking: 30 ml

Grootste netto hoeveelheid per buitenverpakking: 500 ml

**· Vervoerscategorie**

2

**· Tunnelbeperkingscode**

D/E

**· IMDG****· Limited quantities (LQ)**

1L

**· Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

**· VN "Model Regulation":**

UN2619, BENZYL DIMETHYLAMINE, 8 (3), II

**RUBRIEK 15: Regelgeving****· 15.1 Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel****· SZW-lijst van kankerverwekkende stoffen**

De stof is niet aanwezig.

**· SZW-lijst van mutagene stoffen**

De stof is niet aanwezig.

**· NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid**

De stof is niet aanwezig.

**· NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling**

De stof is niet aanwezig.

**· NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding**

De stof is niet aanwezig.

**· Nationale voorschriften:****· Gevaarklasse v. water:** Waterbezwaarlijkheid (NL) 8: Saneringsinspanning A**· 15.2 Chemische veiligheidsbeoordeling:** Een chemische veiligheidsbeoordeling is niet uitgevoerd.**RUBRIEK 16: Overige informatie**

Deze gegevens zijn gebaseerd op de huidige stand van onze kennis. Zij beschrijven echter geen garantie van producteigenschappen en vestigen geen contractuele rechtsbetrekking.

**· Afkortingen en acroniemen:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

(Vervolg op blz. 9)

**Veiligheidsinformatieblad**  
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**Handelsnaam: (BDMA) N-Benzyl dimethylamine**

*Acute Tox. 4: Acute toxicity, Hazard Category 4*

*Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B*

*Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3*

(Vervolg van blz. 8)

NL

# Fiche de données de sécurité

## selon 1907/2006/CE, Article 31

Date d'impression : 07.05.2015

Révision: 07.05.2015

### SECTION 1: Identification de la substance/du mélange et de la société/l'entreprise

· **1.1 Identificateur de produit**

· **Nom du produit:** (BDMA) N-Benzyl diméthylamine

· **Code du produit:** 11400, 11400-25

· **No CAS:**

103-83-3

· **Numéro CE:**

203-149-1

· **Numéro index:**

612-074-00-7

· **1.2 Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées**

*Pas d'autres informations importantes disponibles.*

· **Emploi de la substance / de la préparation** Produits chimiques pour laboratoires

· **1.3 Renseignements concernant le fournisseur de la fiche de données de sécurité**

· **Producteur/fournisseur:**

Electron Microscopy Sciences

1560 Industry Road

USA-Hatfield, PA 19440

Tel: 215-412-8400 Fax: 215-412-8450

email: sgkcck@aol.com

www.emsdiasum.com

· **Service chargé des renseignements:** Product safety department

· **1.4 Numéro d'appel d'urgence:**

ChemTrec 1-800-424-9300 Contract CCN7661

1-703-527-3887

### SECTION 2: Identification des dangers

· **2.1 Classification de la substance ou du mélange**

· **Classification selon le règlement (CE) n° 1272/2008**



GHS02 flamme

Flam. Liq. 3      H226 Liquide et vapeurs inflammables.



GHS05 corrosion

Skin Corr. 1B      H314 Provoque des brûlures de la peau et des lésions oculaires graves.



GHS07

Acute Tox. 4      H302 Nocif en cas d'ingestion.

Acute Tox. 4      H312 Nocif par contact cutané.

Acute Tox. 4      H332 Nocif par inhalation.

Aquatic Chronic 3 H412 Nocif pour les organismes aquatiques, entraîne des effets néfastes à long terme.

· **2.2 Éléments d'étiquetage**

· **Étiquetage selon le règlement (CE) n° 1272/2008** La substance est classifiée et étiquetée selon le règlement CLP.

(suite page 2)

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**Nom du produit: (BDMA) N-Benzyl diméthylamine**

(suite de la page 1)

· **Pictogrammes de danger**



GHS02    GHS05    GHS07

· **Mention d'avertissement Danger**

· **Composants dangereux déterminants pour l'étiquetage:**

benzyl diméthylamine

· **Mentions de danger**

- H226                    Liquide et vapeurs inflammables.  
 H302+H312+H332    Nocif en cas d'ingestion, de contact cutané ou d'inhalation.  
 H314                    Provoque des brûlures de la peau et des lésions oculaires graves.  
 H412                    Nocif pour les organismes aquatiques, entraîne des effets néfastes à long terme.

· **Conseils de prudence**

- P210                    Tenir à l'écart de la chaleur/des étincelles/des flammes nues/des surfaces chaudes. - Ne pas fumer.  
 P303+P361+P353    EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): enlever immédiatement les vêtements contaminés. Rincer la peau à l'eau/se doucher.  
 P305+P351+P338    EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.  
 P310                    Appeler immédiatement un CENTRE ANTIPOISON/un médecin.  
 P405                    Garder sous clef.  
 P501                    Éliminer le contenu/réceptacle conformément à la réglementation locale/régionale/nationale/internationale.

· **2.3 Autres dangers**

· **Résultats des évaluations PBT et vPvB**

- **PBT:** Non applicable.  
 · **vPvB:** Non applicable.

### SECTION 3: Composition/informations sur les composants

· **3.1 Caractérisation chimique: Substances**

· **No CAS Désignation**

103-83-3 benzyl diméthylamine

· **Code(s) d'identification**

· **Numéro CE:** 203-149-1

· **Numéro index:** 612-074-00-7

### SECTION 4: Premiers secours

· **4.1 Description des premiers secours**

· **Remarques générales:**

Enlever immédiatement les vêtements contaminés par le produit.

Les symptômes d'intoxication peuvent apparaître après de nombreuses heures seulement; une surveillance médicale est donc nécessaire au moins 48 heures après un accident.

· **Après inhalation:**

Donner de l'air frais. Assistance respiratoire si nécessaire. Tenir le malade au chaud. Si les troubles persistent, consulter un médecin.

En cas d'inconscience, coucher et transporter la personne en position latérale stable.

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(suite de la page 2)

- **Après contact avec la peau:** Laver immédiatement à l'eau et au savon et bien rincer.
- **Après contact avec les yeux:**  
Rincer les yeux, pendant plusieurs minutes, sous l'eau courante en écartant bien les paupières et consulter un médecin.
- **Après ingestion:**  
Consulter immédiatement un médecin.  
Boire de l'eau en abondance et donner de l'air frais. Consulter immédiatement un médecin.
- **4.2 Principaux symptômes et effets, aigus et différés** Pas d'autres informations importantes disponibles.
- **4.3 Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires**  
Pas d'autres informations importantes disponibles.

### SECTION 5: Mesures de lutte contre l'incendie

- **5.1 Moyens d'extinction**
- **Moyens d'extinction:** CO2, sable, poudre d'extinction. Ne pas utiliser d'eau.
- **Produits extincteurs déconseillés pour des raisons de sécurité:** Jet d'eau à grand débit
- **5.2 Dangers particuliers résultant de la substance ou du mélange**  
Pas d'autres informations importantes disponibles.
- **5.3 Conseils aux pompiers**
- **Équipement spécial de sécurité:** Porter un appareil de protection respiratoire.

### SECTION 6: Mesures à prendre en cas de dispersion accidentelle

- **6.1 Précautions individuelles, équipement de protection et procédures d'urgence**  
Porter un équipement de sécurité. Eloigner les personnes non protégées.
- **6.2 Précautions pour la protection de l'environnement:**  
En cas de pénétration dans les eaux ou les égouts, avertir les autorités compétentes.  
Ne pas rejeter dans les canalisations, dans les eaux de surface et dans les nappes d'eau souterraines.
- **6.3 Méthodes et matériel de confinement et de nettoyage:**  
Recueillir les liquides à l'aide d'un produit absorbant (sable, kieselguhr, neutralisant d'acide, liant universel, sciure).  
Utiliser un neutralisant.  
Évacuer les matériaux contaminés en tant que déchets conformément au point 13.  
Assurer une aération suffisante.  
Ne pas rincer à l'eau ou aux produits nettoyants aqueux.
- **6.4 Référence à d'autres sections**  
Afin d'obtenir des informations pour une manipulation sûre, consulter le chapitre 7.  
Afin d'obtenir des informations sur les équipements de protection personnels, consulter le chapitre 8.  
Afin d'obtenir des informations sur l'élimination, consulter le chapitre 13.

### SECTION 7: Manipulation et stockage

- **7.1 Précautions à prendre pour une manipulation sans danger**  
Veiller à une bonne ventilation/aspiration du poste de travail.  
Éviter la formation d'aérosols.
- **Préventions des incendies et des explosions:**  
Tenir à l'abri des sources d'inflammation - ne pas fumer.  
Tenir à l'abri de la chaleur.  
Prendre des mesures contre les charges électrostatiques.

(suite page 4)

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- **7.2 Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités**
- **Stockage:**
- **Exigences concernant les lieux et conteneurs de stockage:** Aucune exigence particulière.
- **Indications concernant le stockage commun:** Pas nécessaire.
- **Autres indications sur les conditions de stockage:**  
Tenir les emballages hermétiquement fermés.  
Protéger de la forte chaleur et du rayonnement direct du soleil.
- **7.3 Utilisation(s) finale(s) particulière(s)** Pas d'autres informations importantes disponibles.

### SECTION 8: Contrôles de l'exposition/protection individuelle

- **Indications complémentaires pour l'agencement des installations techniques:**  
Sans autre indication, voir point 7.
- **8.1 Paramètres de contrôle**
- **Composants présentant des valeurs-seuil à surveiller par poste de travail:** Néant
- **Remarques supplémentaires:**  
Le présent document s'appuie sur les listes en vigueur au moment de son élaboration.
- **8.2 Contrôles de l'exposition**
- **Équipement de protection individuel:**
- **Mesures générales de protection et d'hygiène:**  
Tenir à l'écart des produits alimentaires, des boissons et de la nourriture pour animaux.  
Retirer immédiatement les vêtements souillés ou humectés.  
Se laver les mains avant les pauses et en fin de travail.  
Éviter tout contact avec les yeux et avec la peau.
- **Protection respiratoire:**  
En cas d'exposition faible ou de courte durée, utiliser un filtre respiratoire; en cas d'exposition intense ou durable, utiliser un appareil de respiration indépendant de l'air ambiant.
- **Protection des mains:**



Gants de protection

- Le matériau des gants doit être imperméable et résistant au produit / à la substance / à la préparation.  
À cause du manque de tests, aucune recommandation pour un matériau de gants pour le produit / la préparation / le mélange de produits chimiques ne peut être donnée.  
Choix du matériau des gants en fonction des temps de pénétration, du taux de perméabilité et de la dégradation.
- **Matériau des gants**  
Le choix de gants appropriés ne dépend pas seulement du matériau, mais également d'autres critères de qualité qui peuvent varier d'un fabricant à l'autre.
  - **Temps de pénétration du matériau des gants**  
Le temps de pénétration exact est à déterminer par le fabricant des gants de protection et à respecter.
  - **Protection des yeux:**



Lunettes de protection hermétiques

FR

(suite page 5)



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(suite de la page 4)

### SECTION 9: Propriétés physiques et chimiques

#### · 9.1 Informations sur les propriétés physiques et chimiques essentielles

##### · Indications générales

##### · Aspect:

Forme:	Liquide
Couleur:	Jaune clair
Odeur:	Aminée
Seuil olfactif:	Non déterminé.

· valeur du pH: Non déterminé.

##### · Changement d'état

Point de fusion:	-75 °C
Point d'ébullition:	176 °C

· Point d'éclair 54 °C

· Inflammabilité (solide, gazeux): Non applicable.

##### · Température d'inflammation:

Température de décomposition: Non déterminé.

· Auto-inflammation: Non déterminé.

· Danger d'explosion: Le produit n'est pas explosif; toutefois, des mélanges explosifs vapeur-air peuvent se former.

##### · Limites d'explosion:

Inférieure:	Non déterminé.
Supérieure:	Non déterminé.

· Pression de vapeur à 20 °C: 2,8 hPa

· Densité à 20 °C: 0,915 g/cm<sup>3</sup>

· Densité relative Non déterminé.

· Densité de vapeur Non déterminé.

· Vitesse d'évaporation Non déterminé.

##### · Solubilité dans/miscibilité avec

l'eau: Pas ou peu miscible

· Coefficient de partage (n-octanol/eau): Non déterminé.

##### · Viscosité:

Dynamique:	Non déterminé.
Cinématique:	Non déterminé.

##### · Teneur en solvants:

Solvants organiques:	0,0 %
VOC (CE)	0,00 %

· 9.2 Autres informations Pas d'autres informations importantes disponibles.

### SECTION 10: Stabilité et réactivité

#### · 10.1 Réactivité

#### · 10.2 Stabilité chimique

· Décomposition thermique/conditions à éviter: Pas de décomposition en cas d'usage conforme.

· 10.3 Possibilité de réactions dangereuses Aucune réaction dangereuse connue.

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(suite de la page 5)

- **10.4 Conditions à éviter** Pas d'autres informations importantes disponibles.
- **10.5 Matières incompatibles:** Pas d'autres informations importantes disponibles.
- **10.6 Produits de décomposition dangereux:** Pas de produits de décomposition dangereux connus

### SECTION 11: Informations toxicologiques

- **11.1 Informations sur les effets toxicologiques**
- **Toxicité aiguë:**

- **Valeurs LD/LC50 déterminantes pour la classification:**

#### 103-83-3 benzyldiméthylamine

Oral	LD50	265 mg/kg (rat)
Dermique	LD50	1660 mg/kg (lapin)
Inhalatoire	LC50/4 h	2,06 mg/l (rat)

- **Effet primaire d'irritation:**
- **de la peau:** Effet fortement corrosif sur la peau et les muqueuses.
- **des yeux:** Effet fortement corrosif.
- **Sensibilisation:** Aucun effet de sensibilisation connu.
- **Indications toxicologiques complémentaires:**  
L'absorption orale du produit a un fort effet corrosif sur la cavité buccale et le pharynx et présente un danger de perforation du tube digestif et de l'estomac.

### SECTION 12: Informations écologiques

- **12.1 Toxicité**
- **Toxicité aquatique:** Pas d'autres informations importantes disponibles.
- **12.2 Persistance et dégradabilité** Pas d'autres informations importantes disponibles.
- **12.3 Potentiel de bioaccumulation** Pas d'autres informations importantes disponibles.
- **12.4 Mobilité dans le sol** Pas d'autres informations importantes disponibles.
- **Effets écotoxiques:**
- **Remarque:** Nocif pour les poissons.
- **Autres indications écologiques:**
- **Indications générales:**  
Catégorie de pollution des eaux 2 (D) (classification selon liste): polluant  
Ne pas laisser pénétrer dans la nappe phréatique, les eaux ou les canalisations.  
Ne doit pas pénétrer à l'état non dilué ou non neutralisé dans les eaux usées ou le collecteur.  
Danger pour l'eau potable dès fuite d'une petite quantité dans le sous-sol.  
Nocif pour les organismes aquatiques.
- **12.5 Résultats des évaluations PBT et VPVB**
- **PBT:** Non applicable.
- **vPvB:** Non applicable.
- **12.6 Autres effets néfastes** Pas d'autres informations importantes disponibles.

### SECTION 13: Considérations relatives à l'élimination

- **13.1 Méthodes de traitement des déchets**
- **Recommandation:** Ne doit pas être évacué avec les ordures ménagères. Ne pas laisser pénétrer dans les égouts.

(suite page 7)

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(suite de la page 6)

- **Emballages non nettoyés:**
- **Recommandation:** Evacuation conformément aux prescriptions légales.

### SECTION 14: Informations relatives au transport

- **14.1 No ONU**
- **ADR, IMDG, IATA**

UN2619

- **14.2 Nom d'expédition des Nations unies**

- **ADR**
- **IMDG, IATA**

2619 BENZYLDIMÉTHYLAMINE  
BENZYLDIMETHYLAMINE

- **14.3 Classe(s) de danger pour le transport**

- **ADR**



- **Classe**
- **Étiquette**

8 Matières corrosives.  
8+3

- **IMDG, IATA**



- **Class**
- **Label**

8 Matières corrosives.  
8 + 3

- **14.4 Groupe d'emballage**

- **ADR, IMDG, IATA**

II

- **14.5 Dangers pour l'environnement:**

- **Marine Pollutant:**

Non

- **14.6 Précautions particulières à prendre par l'utilisateur**

- **Indice Kemler:**
- **No EMS:**

Attention: Matières corrosives.  
83  
F-E,S-C

- **14.7 Transport en vrac conformément à l'annexe II de la convention Marpol 73/78 et au recueil IBC**

Non applicable.

- **Indications complémentaires de transport:**

- **ADR**

- **Quantités limitées (LQ)**
- **Quantités exceptées (EQ)**

1L  
Code: E2  
Quantité maximale nette par emballage intérieur: 30 ml  
Quantité maximale nette par emballage extérieur: 500 ml

- **Catégorie de transport**

2

- **Code de restriction en tunnels**

D/E

(suite page 8)

**Fiche de données de sécurité**  
selon 1907/2006/CE, Article 31

Date d'impression : 07.05.2015

Révision: 07.05.2015

**Nom du produit: (BDMA) N-Benzyl diméthylamine**

(suite de la page 7)

· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>"Règlement type" de l'ONU:</b>	UN2619, BENZYLDIMÉTHYLAMINE, 8 (3), II

### SECTION 15: Informations réglementaires

- **15.1 Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement**  
Pas d'autres informations importantes disponibles.
- **15.2 Évaluation de la sécurité chimique:** Une évaluation de la sécurité chimique n'a pas été réalisée.

### SECTION 16: Autres informations

Ces indications sont fondées sur l'état actuel de nos connaissances, mais ne constituent pas une garantie quant aux propriétés du produit et ne donnent pas lieu à un rapport juridique contractuel.

· **Acronymes et abréviations:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

# Sicherheitsdatenblatt

## gemäß 1907/2006/EG, Artikel 31

Druckdatum: 07.05.2015

überarbeitet am: 07.05.2015

### ABSCHNITT 1: Bezeichnung des Stoffs bzw. des Gemischs und des Unternehmens

· **1.1 Produktidentifikator**

· **Handelsname:** (BDMA) N-Benzyl dimethylamine

· **Artikelnummer:** 11400, 11400-25

· **CAS-Nummer:**

103-83-3

· **EG-Nummer:**

203-149-1

· **Indexnummer:**

612-074-00-7

· **1.2 Relevante identifizierte Verwendungen des Stoffs oder Gemischs und Verwendungen, von denen abgeraten wird**

Keine weiteren relevanten Informationen verfügbar.

· **Verwendung des Stoffes / des Gemisches** Laborchemikalien

· **1.3 Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt**

· **Hersteller/Lieferant:**

Electron Microscopy Sciences

1560 Industry Road

USA-Hatfield, PA 19440

Tel: 215-412-8400 Fax: 215-412-8450

email: sgkcck@aol.com

www.emsdiasum.com

Science Services GmbH

Unterhachinger Str. 75

81737 München Germany

Tel: +49(0)89 18 93 668-0

safety@scienceservices.de

24h Giftnotruf Munchen: +49 (0)89 19240

Toxikologische Abteilung der II. Medizinischen Klinik

rechts der Isar, Munchen. - www.toxinfo.org

· **Auskunftgebender Bereich:** Product safety department

· **1.4 Notrufnummer:**

ChemTrec 1-800-424-9300 Contract CCN7661

1-703-527-3887

### ABSCHNITT 2: Mögliche Gefahren

· **2.1 Einstufung des Stoffs oder Gemischs**

· **Einstufung gemäß Verordnung (EG) Nr. 1272/2008**



GHS02 Flamme

Flam. Liq. 3

H226 Flüssigkeit und Dampf entzündbar.



GHS05 Ätzwirkung

Skin Corr. 1B

H314 Verursacht schwere Verätzungen der Haut und schwere Augenschäden.

(Fortsetzung auf Seite 2)

# Sicherheitsdatenblatt

## gemäß 1907/2006/EG, Artikel 31

Druckdatum: 07.05.2015

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**Handelsname: (BDMA) N-Benzyl dimethylamine**

(Fortsetzung von Seite 1)



GHS07

Acute Tox. 4 H302 Gesundheitsschädlich bei Verschlucken.

Acute Tox. 4 H312 Gesundheitsschädlich bei Hautkontakt.

Acute Tox. 4 H332 Gesundheitsschädlich bei Einatmen.

Aquatic Chronic 3 H412 Schädlich für Wasserorganismen, mit langfristiger Wirkung.

### 2.2 Kennzeichnungselemente

#### Kennzeichnung gemäß Verordnung (EG) Nr. 1272/2008

Der Stoff ist gemäß CLP-Verordnung eingestuft und gekennzeichnet.

#### Gefahrenpiktogramme



GHS02

GHS05

GHS07

#### Signalwort Gefahr

#### Gefahrbestimmende Komponenten zur Etikettierung:

Benzyl dimethylamin

#### Gefahrenhinweise

H226 Flüssigkeit und Dampf entzündbar.

H302+H312+H332 Gesundheitsschädlich bei Verschlucken, Hautkontakt oder Einatmen.

H314 Verursacht schwere Verätzungen der Haut und schwere Augenschäden.

H412 Schädlich für Wasserorganismen, mit langfristiger Wirkung.

#### Sicherheitshinweise

P210 Von Hitze/Funken/offener Flamme/heißen Oberflächen fernhalten. Nicht rauchen.

P303+P361+P353 BEI KONTAKT MIT DER HAUT (oder dem Haar): Alle beschmutzten, getränkten Kleidungsstücke sofort ausziehen. Haut mit Wasser abwaschen/duschen.

P305+P351+P338 BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.

P310 Sofort GIFTINFORMATIONSZENTRUM/Arzt anrufen.

P405 Unter Verschluss aufbewahren.

P501 Entsorgung des Inhalts / des Behälters gemäß den örtlichen / regionalen / nationalen / internationalen Vorschriften.

### 2.3 Sonstige Gefahren

#### Ergebnisse der PBT- und vPvB-Beurteilung

PBT: Nicht anwendbar.

vPvB: Nicht anwendbar.

## ABSCHNITT 3: Zusammensetzung/Angaben zu Bestandteilen

### 3.1 Chemische Charakterisierung: Stoffe

#### CAS-Nr. Bezeichnung

103-83-3 Benzyl dimethylamin

#### Identifikationsnummer(n)

EG-Nummer: 203-149-1

(Fortsetzung auf Seite 3)

# Sicherheitsdatenblatt

## gemäß 1907/2006/EG, Artikel 31

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**Handelsname:** (BDMA) N-Benzyl dimethylamine

· **Indexnummer:** 612-074-00-7

(Fortsetzung von Seite 2)

### ABSCHNITT 4: Erste-Hilfe-Maßnahmen

· **4.1 Beschreibung der Erste-Hilfe-Maßnahmen**

· **Allgemeine Hinweise:**

Mit Produkt verunreinigte Kleidungsstücke unverzüglich entfernen.

Vergiftungssymptome können erst nach vielen Stunden auftreten, deshalb ärztliche Überwachung mindestens 48 Stunden nach einem Unfall.

· **Nach Einatmen:**

Frischluftezufuhr, gegebenenfalls Atemspende, Wärme. Bei anhaltenden Beschwerden Arzt konsultieren.

Bei Bewußtlosigkeit Lagerung und Transport in stabiler Seitenlage.

· **Nach Hautkontakt:** Sofort mit Wasser und Seife abwaschen und gut nachspülen.

· **Nach Augenkontakt:**

Augen bei geöffnetem Lidspalt mehrere Minuten unter fließendem Wasser abspülen und Arzt konsultieren.

· **Nach Verschlucken:**

Sofort Arzt aufsuchen.

Reichlich Wasser nachtrinken und Frischluftezufuhr. Unverzüglich Arzt hinzuziehen.

· **4.2 Wichtigste akute und verzögert auftretende Symptome und Wirkungen**

Keine weiteren relevanten Informationen verfügbar.

· **4.3 Hinweise auf ärztliche Soforthilfe oder Spezialbehandlung**

Keine weiteren relevanten Informationen verfügbar.

### ABSCHNITT 5: Maßnahmen zur Brandbekämpfung

· **5.1 Löschmittel**

· **Geeignete Löschmittel:** CO<sub>2</sub>, Sand, Löschpulver. Kein Wasser verwenden.

· **Aus Sicherheitsgründen ungeeignete Löschmittel:** Wasser im Vollstrahl

· **5.2 Besondere vom Stoff oder Gemisch ausgehende Gefahren**

Keine weiteren relevanten Informationen verfügbar.

· **5.3 Hinweise für die Brandbekämpfung**

· **Besondere Schutzausrüstung:** Atemschutzgerät anlegen.

### ABSCHNITT 6: Maßnahmen bei unbeabsichtigter Freisetzung

· **6.1 Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren**

Schutzausrüstung tragen. Ungeschützte Personen fernhalten.

· **6.2 Umweltschutzmaßnahmen:**

Bei Eindringen in Gewässer oder Kanalisation zuständige Behörden benachrichtigen.

Nicht in die Kanalisation/Oberflächenwasser/Grundwasser gelangen lassen.

· **6.3 Methoden und Material für Rückhaltung und Reinigung:**

Mit flüssigkeitsbindendem Material (Sand, Kieselgur, Säurebinder, Universalbinder, Sägemehl) aufnehmen.

Neutralisationsmittel anwenden.

Kontaminiertes Material als Abfall nach Abschnitt 13 entsorgen.

Für ausreichende Lüftung sorgen.

Nicht mit Wasser oder wäßrigen Reinigungsmitteln wegspülen.

· **6.4 Verweis auf andere Abschnitte**

Informationen zur sicheren Handhabung siehe Abschnitt 7.

Informationen zur persönlichen Schutzausrüstung siehe Abschnitt 8.

(Fortsetzung auf Seite 4)



# Sicherheitsdatenblatt

## gemäß 1907/2006/EG, Artikel 31

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**Handelsname: (BDMA) N-Benzyl dimethylamine**

(Fortsetzung von Seite 3)

Informationen zur Entsorgung siehe Abschnitt 13.

### ABSCHNITT 7: Handhabung und Lagerung

- **7.1 Schutzmaßnahmen zur sicheren Handhabung**  
Für gute Belüftung/Absaugung am Arbeitsplatz sorgen.  
Aerosolbildung vermeiden.
- **Hinweise zum Brand- und Explosionsschutz:**  
Zündquellen fernhalten - nicht rauchen.  
Vor Hitze schützen.  
Maßnahmen gegen elektrostatische Aufladung treffen.
- **7.2 Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten**
- **Lagerung:**
- **Anforderung an Lagerräume und Behälter:** Keine besonderen Anforderungen.
- **Zusammenlagerungshinweise:** Nicht erforderlich.
- **Weitere Angaben zu den Lagerbedingungen:**  
Behälter dicht geschlossen halten.  
Vor Hitze und direkter Sonnenbestrahlung schützen.
- **Lagerklasse:**
- **Klassifizierung nach Betriebssicherheitsverordnung (BetrSichV):** Entzündlich
- **7.3 Spezifische Endanwendungen** Keine weiteren relevanten Informationen verfügbar.

### ABSCHNITT 8: Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen

- **Zusätzliche Hinweise zur Gestaltung technischer Anlagen:** Keine weiteren Angaben, siehe Abschnitt 7.
- **8.1 Zu überwachende Parameter**
- **Bestandteile mit arbeitsplatzbezogenen, zu überwachenden Grenzwerten:** Entfällt.
- **Zusätzliche Hinweise:** Als Grundlage dienen die bei der Erstellung gültigen Listen.
- **8.2 Begrenzung und Überwachung der Exposition**
- **Persönliche Schutzausrüstung:**
- **Allgemeine Schutz- und Hygienemaßnahmen:**  
Von Nahrungsmitteln, Getränken und Futtermitteln fernhalten.  
Beschmutzte, getränkte Kleidung sofort ausziehen.  
Vor den Pausen und bei Arbeitsende Hände waschen.  
Berührung mit den Augen und der Haut vermeiden.
- **Atemschutz:**  
Bei kurzzeitiger oder geringer Belastung Atemfiltergerät; bei intensiver bzw. längerer Exposition unluftunabhängiges Atemschutzgerät verwenden.
- **Handschutz:**



Schutzhandschuhe

Das Handschuhmaterial muss undurchlässig und beständig gegen das Produkt / den Stoff / die Zubereitung sein. Aufgrund fehlender Tests kann keine Empfehlung zum Handschuhmaterial für das Produkt / die Zubereitung / das Chemikaliengemisch abgegeben werden.  
Auswahl des Handschuhmaterials unter Beachtung der Durchbruchzeiten, Permeationsraten und der Degradation.

(Fortsetzung auf Seite 5)



# Sicherheitsdatenblatt

## gemäß 1907/2006/EG, Artikel 31

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**Handelsname: (BDMA) N-Benzyl dimethylamine**

(Fortsetzung von Seite 4)

**· Handschuhmaterial**

Die Auswahl eines geeigneten Handschuhs ist nicht nur vom Material, sondern auch von weiteren Qualitätsmerkmalen abhängig und von Hersteller zu Hersteller unterschiedlich.

**· Durchdringungszeit des Handschuhmaterials**

Die genaue Durchbruchzeit ist beim Schutzhandschuhhersteller zu erfahren und einzuhalten.

**· Augenschutz:**


Dichtschließende Schutzbrille

### ABSCHNITT 9: Physikalische und chemische Eigenschaften

**· 9.1 Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften**
**· Allgemeine Angaben**
**· Aussehen:**

**Form:** Flüssigkeit

**Farbe:** Hellgelb

**· Geruch:** Aminartig

**· Geruchsschwelle:** Nicht bestimmt.

**· pH-Wert:** Nicht bestimmt.

**· Zustandsänderung**

**Schmelzpunkt/Schmelzbereich:** -75 °C

**Siedepunkt/Siedebereich:** 176 °C

**· Flammpunkt:** 54 °C

**· Entzündlichkeit (fest, gasförmig):** Nicht anwendbar.

**· Zündtemperatur:**

**Zersetzungstemperatur:** Nicht bestimmt.

**· Selbstentzündlichkeit:** Nicht bestimmt.

**· Explosionsgefahr:** Das Produkt ist nicht explosionsgefährlich, jedoch ist die Bildung explosionsgefährlicher Dampf-/Luftgemische möglich.

**· Explosionsgrenzen:**

**Untere:** Nicht bestimmt.

**Obere:** Nicht bestimmt.

**· Dampfdruck bei 20 °C:** 2,8 hPa

**· Dichte bei 20 °C:** 0,915 g/cm<sup>3</sup>

**· Relative Dichte** Nicht bestimmt.

**· Dampfichte** Nicht bestimmt.

**· Verdampfungsgeschwindigkeit** Nicht bestimmt.

**· Löslichkeit in / Mischbarkeit mit**

**Wasser:** Nicht bzw. wenig mischbar.

**· Verteilungskoeffizient (n-Octanol/Wasser):** Nicht bestimmt.

**· Viskosität:**

**Dynamisch:** Nicht bestimmt.

(Fortsetzung auf Seite 6)

# Sicherheitsdatenblatt

## gemäß 1907/2006/EG, Artikel 31

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überarbeitet am: 07.05.2015

**Handelsname: (BDMA) N-Benzyl dimethylamine**

(Fortsetzung von Seite 5)

<b>Kinematisch:</b>	Nicht bestimmt.
<b>· Lösemittelgehalt:</b>	
<b>Organische Lösemittel:</b>	0,0 %
<b>VOC (EU)</b>	0,00 %
<b>· 9.2 Sonstige Angaben</b>	Keine weiteren relevanten Informationen verfügbar.

### ABSCHNITT 10: Stabilität und Reaktivität

- **10.1 Reaktivität**
- **10.2 Chemische Stabilität**
- **Thermische Zersetzung / zu vermeidende Bedingungen:**  
Keine Zersetzung bei bestimmungsgemäßer Verwendung.
- **10.3 Möglichkeit gefährlicher Reaktionen** Keine gefährlichen Reaktionen bekannt.
- **10.4 Zu vermeidende Bedingungen** Keine weiteren relevanten Informationen verfügbar.
- **10.5 Unverträgliche Materialien:** Keine weiteren relevanten Informationen verfügbar.
- **10.6 Gefährliche Zersetzungsprodukte:** Keine gefährlichen Zersetzungsprodukte bekannt.

### ABSCHNITT 11: Toxikologische Angaben

- **11.1 Angaben zu toxikologischen Wirkungen**
- **Akute Toxizität:**

<b>· Einstufungsrelevante LD/LC50-Werte:</b>		
<b>103-83-3 Benzyl dimethylamin</b>		
Oral	LD50	265 mg/kg (rat)
Dermal	LD50	1660 mg/kg (rabbit)
Inhalativ	LC50/4 h	2,06 mg/l (rat)

- **Primäre Reizwirkung:**
- **an der Haut:** Starke Ätzwirkung auf Haut und Schleimhäute.
- **am Auge:** Starke Ätzwirkung.
- **Sensibilisierung:** Keine sensibilisierende Wirkung bekannt.
- **Zusätzliche toxikologische Hinweise:**  
Bei Verschlucken starke Ätzwirkung des Mundraumes und Rachens sowie Gefahr der Perforation der Speiseröhre und des Magens.

### ABSCHNITT 12: Umweltbezogene Angaben

- **12.1 Toxizität**
- **Aquatische Toxizität:** Keine weiteren relevanten Informationen verfügbar.
- **12.2 Persistenz und Abbaubarkeit** Keine weiteren relevanten Informationen verfügbar.
- **12.3 Bioakkumulationspotenzial** Keine weiteren relevanten Informationen verfügbar.
- **12.4 Mobilität im Boden** Keine weiteren relevanten Informationen verfügbar.
- **Ökotoxische Wirkungen:**
- **Bemerkung:** Schädlich für Fische.
- **Weitere ökologische Hinweise:**
- **Allgemeine Hinweise:**  
Wassergefährdungsklasse 2 (Listeneinstufung): wassergefährdend  
Nicht in das Grundwasser, in Gewässer oder in die Kanalisation gelangen lassen.  
Darf nicht unverdünnt bzw. unneutralisiert ins Abwasser bzw. in den Vorfluter gelangen.

(Fortsetzung auf Seite 7)

# Sicherheitsdatenblatt

## gemäß 1907/2006/EG, Artikel 31

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**Handelsname: (BDMA) N-Benzyl dimethylamine**

(Fortsetzung von Seite 6)





Trinkwassergefährdung bereits beim Auslaufen geringer Mengen in den Untergrund.  
schädlich für Wasserorganismen

- **12.5 Ergebnisse der PBT- und vPvB-Beurteilung**
- **PBT:** Nicht anwendbar.
- **vPvB:** Nicht anwendbar.
- **12.6 Andere schädliche Wirkungen** Keine weiteren relevanten Informationen verfügbar.

### ABSCHNITT 13: Hinweise zur Entsorgung

- **13.1 Verfahren der Abfallbehandlung**
- **Empfehlung:** Darf nicht zusammen mit Hausmüll entsorgt werden. Nicht in die Kanalisation gelangen lassen.
- **Ungereinigte Verpackungen:**
- **Empfehlung:** Entsorgung gemäß den behördlichen Vorschriften.

### ABSCHNITT 14: Angaben zum Transport

- |   |                         |
|---|-------------------------|
| <b>14.1 UN-Nummer</b>   | UN2619                  |
| <b>ADR, IMDG, IATA</b>  |                         |
| <b>14.2 Ordnungsgemäße UN-Versandbezeichnung</b>  |                         |
| <b>ADR</b>  | 2619 BENZYLDIMETHYLAMIN |
| <b>IMDG, IATA</b>   | BENZYLDIMETHYLAMINE     |
| <b>14.3 Transportgefahrenklassen</b>  |                         |
| <b>ADR</b>  |                         |
|   |                         |
| <b>Klasse</b>   | 8 Ätzende Stoffe        |
| <b>Gefahrzettel</b>   | 8+3                     |
|   |                         |
| <b>IMDG, IATA</b>   |                         |
|   |                         |
| <b>Class</b>  | 8 Ätzende Stoffe        |
| <b>Label</b>  | 8 + 3                   |
| <b>14.4 Verpackungsgruppe</b>   |                         |
| <b>ADR, IMDG, IATA</b>  | II                      |
| <b>14.5 Umweltgefahren:</b>   |                         |
| <b>Marine pollutant:</b>  | Nein                    |
| <b>14.6 Besondere Vorsichtsmaßnahmen für den Verwender</b>  | Achtung: Ätzende Stoffe |
| <b>Kemler-Zahl:</b>   | 83                      |
| <b>EMS-Nummer:</b>  | F-E,S-C                 |

(Fortsetzung auf Seite 8)

# Sicherheitsdatenblatt

## gemäß 1907/2006/EG, Artikel 31

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**Handelsname: (BDMA) N-Benzyl dimethylamine**

(Fortsetzung von Seite 7)

- |   |   |
|---|---|
| <b>· 14.7 Massengutbeförderung gemäß Anhang II des MARPOL-Übereinkommens 73/78 und gemäß IBC-Code</b> | Nicht anwendbar.  |
| <b>· Transport/weitere Angaben:</b>   |   |
| <b>· ADR</b>  | 1L  |
| <b>· Begrenzte Menge (LQ)</b>   | Code: E2  |
| <b>· Freigestellte Mengen (EQ)</b>  | Höchste Nettomenge je Innenverpackung: 30 ml<br>Höchste Nettomenge je Außenverpackung: 500 ml       |
| <b>· Beförderungskategorie</b>  | 2   |
| <b>· Tunnelbeschränkungscode</b>  | D/E   |
| <b>· IMDG</b>   |   |
| <b>· Limited quantities (LQ)</b>  | 1L  |
| <b>· Excepted quantities (EQ)</b>   | Code: E2  |
|   | Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| <b>· UN "Model Regulation":</b>   | UN2619, BENZYLDIMETHYLAMIN, 8 (3), II   |

### ABSCHNITT 15: Rechtsvorschriften

- **15.1 Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch**
- **Nationale Vorschriften:**
- **Klassifizierung nach Betriebssicherheitsverordnung (BetrSichV):** Entzündlich
- **Wassergefährdungsklasse: WGK 2 (Listeneinstufung):** wassergefährdend.
- **15.2 Stoffsicherheitsbeurteilung:** Eine Stoffsicherheitsbeurteilung wurde nicht durchgeführt.

### ABSCHNITT 16: Sonstige Angaben

Die Angaben stützen sich auf den heutigen Stand unserer Kenntnisse, sie stellen jedoch keine Zusicherung von Produkteigenschaften dar und begründen kein vertragliches Rechtsverhältnis.

- **Abkürzungen und Akronyme:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Flam. Liq. 3: Flammable liquids, Hazard Category 3  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

**Δελτίο δεδομένων ασφαλείας**  
**σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31**

Ημερομηνία εκτύπωσης: 07.05.2015

Αναθεώρηση: 07.05.2015

**ΤΜΗΜΑ 1: Στοιχεία ουσίας/παρασκευάσματος και εταιρείας/επιχείρησης**

- **1.1 Αναγνωριστικός κωδικός προϊόντος**
- **Όνομασία του προϊόντος στο εμπόριο:** (BDMA) N-Benzylidimethylamine
- **Αριθμός προϊόντος:** 11400, 11400-25
- **Αριθμός CAS:**  
103-83-3
- **Αριθμός EC:**  
203-149-1
- **Αριθμός ευρετηρίου:**  
612-074-00-7
- **1.2 Συναφείς προσδιοριζόμενες χρήσεις της ουσίας ή του μείγματος και αντενδεικνυόμενες χρήσεις**  
Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **Χρήση του υλικού / της σύνθεσης** Χημικά εργαστηρίου
- **1.3 Στοιχεία του προμηθευτή του δελτίου δεδομένων ασφαλείας**
- **Παραγωγός/προμηθευτής:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: sgkcck@aol.com  
www.emsdiasum.com
- **Παροχή πληροφοριών:** Product safety department
- **1.4 Αριθμός τηλεφώνου επείγουσας ανάγκης:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

**ΤΜΗΜΑ 2: Προσδιορισμός επικινδυνότητας**

- **2.1 Ταξινόμηση της ουσίας ή του μείγματος**
- **Ταξινόμηση σύμφωνα με τον κανονισμό (ΕΚ) αριθ. 1272/2008**



GHS02 φλόγα

Flam. Liq. 3      H226 Υγρό και ατμοί εύφλεκτα.



GHS05 διάβρωση

Skin Corr. 1B      H314 Προκαλεί σοβαρά δερματικά εγκαύματα και οφθαλμικές βλάβες.



GHS07

Acute Tox. 4      H302 Επιβλαβές σε περίπτωση κατάποσης.

Acute Tox. 4      H312 Επιβλαβές σε επαφή με το δέρμα.

Acute Tox. 4      H332 Επιβλαβές σε περίπτωση εισπνοής.

Aquatic Chronic 3      H412 Επιβλαβές για τους υδρόβιους οργανισμούς, με μακροχρόνιες επιπτώσεις.

- **2.2 Στοιχεία επίσημανσης**
- **Επίσημανση σύμφωνα με τον κανονισμό (ΕΚ) αριθ. 1272/2008**  
Η ουσία ταξινομείται και επισημαίνεται σύμφωνα με τον κανονισμό CLP.

(συνέχεια στη σελίδα 2)

# Δελτίο δεδομένων ασφαλείας

## σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31

Ημερομηνία εκτύπωσης: 07.05.2015

Αναθεώρηση: 07.05.2015

### Όνομασία του προϊόντος στο εμπόριο: (BDMA) N-Benzylidimethylamine

(συνέχεια από τη σελίδα 1)

#### · Εικονογράμματα κινδύνου



GHS02 GHS05 GHS07

#### · Προειδοποιητική λέξη Κίνδυνος

#### · Επικίνδυνα συστατικά πρέπει να αναφέρονται στις ετικέτες:

βενζυλοδιμεθυλαμίνη

#### · Δηλώσεις κινδύνου

H226

Υγρό και ατμοί εύφλεκτα.

H302+H312+H332 Επιβλαβές σε περίπτωση κατάποσης, σε επαφή με το δέρμα ή σε περίπτωση εισπνοής.

H314

Προκαλεί σοβαρά δερματικά εγκαύματα και οφθαλμικές βλάβες.

H412

Επιβλαβές για τους υδρόβιους οργανισμούς, με μακροχρόνιες επιπτώσεις.

#### · Δηλώσεις προφύλαξης

P210

Μακριά από θερμότητα/σπινθήρες/γυμνές φλόγες/θερμές επιφάνειες. - Μην καπνίζετε.

P303+P361+P353 ΣΕ ΠΕΡΙΠΤΩΣΗ ΕΠΑΦΗΣ ΜΕ ΤΟ ΔΕΡΜΑ (ή με τα μαλλιά): Αφαιρέστε αμέσως όλα τα μολυσμένα ενδύματα. Ξεπλύνετε το δέρμα με νερό/στο ντους.

P305+P351+P338 ΣΕ ΠΕΡΙΠΤΩΣΗ ΕΠΑΦΗΣ ΜΕ ΤΑ ΜΑΤΙΑ: Ξεπλύνετε προσεκτικά με νερό για αρκετά λεπτά.

Εάν υπάρχουν φακοί επαφής, αφαιρέστε τους, εφόσον είναι εύκολο. Συνεχίστε να ξεπλένετε.

P310

Καλέστε αμέσως το ΚΕΝΤΡΟ ΔΗΛΗΤΗΡΙΑΣΕΩΝ/γιατρό.

P405

Φυλάσσεται κλειδωμένο.

P501

Απορρίψτε τα περιεχόμενα/δοχείο σύμφωνα με τους τοπικούς/εθνικούς/διεθνείς κανονισμούς.

#### · 2.3 Άλλοι κίνδυνοι

#### · Αποτελέσματα της αξιολόγησης ABT και αΑαB

· **ABT:** Μη χρησιμοποιήσιμο· **ΑΑαB:** Μη χρησιμοποιήσιμο

### ΤΜΗΜΑ 3: Σύνθεση/πληροφορίες για τα συστατικά

#### · 3.1 Χημικός καθορισμός: Ουσίες

#### · Αριθ. CAS, όνομα

103-83-3 βενζυλοδιμεθυλαμίνη

#### · Αριθμοί ταυτότητας προϊόντος

· Αριθμός EC: 203-149-1

· Αριθμός ευρετηρίου: 612-074-00-7

### ΤΜΗΜΑ 4: Μέτρα πρώτων βοηθειών

#### · 4.1 Περιγραφή των μέτρων πρώτων βοηθειών

#### · Γενικές οδηγίες:

Να απομακρύνετε αμέσως τα ενδύματα που λερώθηκαν με το προϊόν.

Τοξικά συμπτώματα μπορούν να εμφανιστούν ακόμη και μετά από πολλές ώρες, γιατί είναι απαραίτητη η ιατρική παρακολούθηση το λιγότερο για δύο 24ωρα μετά από ένα ατύχημα.

#### · μετά από εισπνοή:

Καθαρός αέρας, ενδεχομένως αναπνευστική βοήθεια, ζέστη. Σε περίπτωση που οι ενοχλήσεις συνεχίζονται συμβουλευτείτε γιατρό.

Σε περίπτωση λιποθυμίας επιβάλλεται κατάκλιση και μεταφορά σε σταθερή πλάγια θέση.

#### · μετά από επαφή με το δέρμα:

Ξεπλυθείτε αμέσως με νερό και σαπούνι και πολύ καλό ζέπλυμα.

#### · μετά από επαφή με τα μάτια:

Να πλύνετε τα μάτια κάτω από τρεχούμενο νερό αρκετή ώρα και ανοιχτά τα βλέφαρα.

(συνέχεια στη σελίδα 3)



## Δελτίο δεδομένων ασφαλείας σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31

Ημερομηνία εκτύπωσης: 07.05.2015

Αναθεώρηση: 07.05.2015

### Όνομασία του προϊόντος στο εμπόριο: (BDMA) N-Benzylidimethylamine

(συνέχεια από τη σελίδα 2)

- **μετά από κατάποση:**  
Επισκεφθείτε αμέσως τον γιατρό.  
Απαιτείται πόσις αρκετής ποσότητας νερού και παραμονή στο καθαρό αέρα. Καλέστε κατευθείαν γιατρό.
- **4.2 Σημαντικότερα συμπτώματα και επιδράσεις, άμεσες ή μεταγενέστερες**  
Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **4.3 Ένδειξη οιασδήποτε απαιτούμενης άμεσης ιατρικής φροντίδας και ειδικής θεραπείας**  
Δεν διατίθενται άλλες σχετικές πληροφορίες.

### ΤΜΗΜΑ 5: Μέτρα για την καταπολέμηση της πυρκαγιάς

- **5.1 Πυροσβεστικά μέσα**
- **Κατάλληλα πυροσβεστικά μέσα.** CO<sub>2</sub>, άμμο, πυροσβεστική σκόνη. Μην χρησιμοποιείτε νερό.
- **Πυροσβεστικά μέσα που για λόγους ασφαλείας είναι ακατάλληλα:** νερό με πλήρη εκτίναξη
- **5.2 Ειδικό κίνδυνο που προκύπτουν από την ουσία ή το μείγμα** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **5.3 Συστάσεις για τους πυροσβέστες**
- **Ειδικός προστατευτικός εξοπλισμός:** Χρησιμοποιείστε αναπνευστική συσκευή.

### ΤΜΗΜΑ 6: Μέτρα για την αντιμετώπιση τυχαίας έκλυσης

- **6.1 Προσωπικές προφυλάξεις, προστατευτικός εξοπλισμός και διαδικασίες έκτακτης ανάγκης**  
Χρησιμοποιείστε προστατευτικό εξοπλισμό. Απομακρύνετε τα απροστάτευτα πρόσωπα.
- **6.2 Περιβαλλοντικές προφυλάξεις:**  
Σε περίπτωση διοχέτευσης στο υδάτινο περιβάλλον ή στην αποχέτευση ειδοποιείστε τις αρμόδιες Αρχές.  
Μην το αδειάζετε στην αποχέτευση και επιφάνειες υδάτων. Δεν πρέπει να διεισδύσει στα γήινα νερά.
- **6.3 Μέθοδοι και υλικά για περιορισμό και καθαρισμό:**  
Συλλέγεται με συνδετικά υλικά υγρών. (άμμο, εναποθέσεις πυρολίθου, συνδετικά οξέων, συνδετικά γενικώς, πριονόσκηνη).  
Χρησιμοποιείστε μέσα ουδετεροποίησης.  
Εναποθέστε μολυσμένα υλικά ως επικίνδυνα απόβλητα κατά το σημείο 13.  
Να φοντίζετε για επαρκή αερισμό.  
Δεν ξεπλένεται με νερό ή με υγρά μέσα καθαρισμού.
- **6.4 Παραπομπή σε άλλα τμήματα**  
Πληροφορίες για τον σίγουρο χειρισμό βλέπε κεφάλαιο 7.  
Πληροφορίες για τον ατομικό προστατευτικό εξοπλισμό βλέπε κεφάλαιο 8.  
Πληροφορίες για την εναποθέτηση βλέπε κεφάλαιο 13.

### ΤΜΗΜΑ 7: Χειρισμός και αποθήκευση

- **7.1 Προφυλάξεις για ασφαλή χειρισμό**  
Φροντίστε για τον καλό εξαερισμό/απορρόφηση του αέρα στο τόπο εργασίας.  
Αποφύγετε να σχηματιστούν εκνεφώματα.
- **Οδηγίες για τον τρόπο προστασίας κατά της πυρκαγιάς και έκρηξης:**  
Μακριά από πηγές αναφλέξεως - Απαγορεύεται το κάπνισμα.  
Να προστατεύεται από την υπερβολική ζέση.  
Να πέρνεται προστατευτικά μέτρα έναντι ηλεκτροστατικών εκκενώσεων.
- **7.2 Συνθήκες για την ασφαλή φύλαξη, συμπεριλαμβανομένων τυχόν ασυμβίβαστων**
- **Εναποθήκευση:**
- **Αξιώσεις ως προς τα περιβλήματα και τις αποθήκες:** Καμία ειδική αξίωση.
- **Υποδείξεις συναποθήκευσης:** δεν απαιτείται
- **Περαιτέρω δηλώσεις για τους όρους εναποθήκευσης:**  
Να διατηρείται σε καλά κλεισμένο δοχείο.

(συνέχεια στη σελίδα 4)

## Δελτίο δεδομένων ασφαλείας σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31

Ημερομηνία εκτύπωσης: 07.05.2015

Αναθεώρηση: 07.05.2015

**Όνομασία του προϊόντος στο εμπόριο: (BDMA) N-Benzylidimethylamine**

(συνέχεια από τη σελίδα 3)

Να προστατεύεται από τη ζέστη και την άμεση επίδραση του ήλιου.

· **7.3 Ειδική τελική χρήση ή χρήσεις** Δεν διατίθενται άλλες σχετικές πληροφορίες.

### ΤΜΗΜΑ 8: Έλεγχος της έκθεσης/ατομική προστασία

· **Συμπληρωματικές υποδείξεις για τη διαμόρφωση των τεχνικών εγκαταστάσεων:**  
Καμία άλλη σύσταση, βλέπε κεφάλαιο 7.

· **8.1 Παράμετροι ελέγχου**

· **Συστατικά στοιχεία με οροθετικές τιμές αφορούσες τον τόπο εργασίας και που ωφείλουν να επιτηρούνται:**  
εκπίπτει

· **Συμπληρωματικές υποδείξεις:** Σαν βάση χρησιμοποιήθηκαν οι ισχύοντες κατάλογοι παρασκευάσματος.

· **8.2 Έλεγχοι έκθεσης**

· **Ατομικός εξοπλισμός προστασίας:**

· **Γενικά μέτρα προστασίας και υγιεινής:**

Μακρινά από τρόφιμα, ποτά και ζωοτροφές.

Να βγάζετε αμέσως τα λερωμένα, βρεγμένα ενδύματα.

Να πλένετε τα χέρια προ του διαλείμματος και στο τέλος της αργασίας.

Να αποφεύγετε την επαφή με τα μάτια και δέρμα.

· **Προστασία για την αναπνοή:**

Να χρησιμοποιείτε για σύντομη ή μικρή επιβάρυνση αναπνευστική συσκευή με φίλτρο, για έντονη ή παρατεταμένη έκθεση προστατευτική αναπνευστική συσκευή ανεξάρτητα του γύρω αέρα.

· **Προστασία για τα χέρια:**



Προστατευτικά γάντια.

Το υλικό των γαντιών θα πρέπει να είναι αδιαπερατό και ανθεκτικό έναντι του προϊόντος / του υλικού / του παρασκευάσματος.

Λόγω μη πραγματοποίησης δοκιμών δεν μπορεί να προταθεί κανένα υλικό γαντιών για το προϊόν / το παρασκεύασμα / το χημικό μείγμα.

Επιλέξτε το υλικό του γαντιού λαμβάνοντας υπ' όψη τους χρόνους διέλευσης, το βαθμό διαπερατότητας και την υποβάθμιση.

· **Υλικό γαντιών**

Η επιλογή του κατάλληλου γαντιού δεν εξαρτάται μόνον από το υλικό, αλλά και τα επιπλέον χαρακτηριστικά ποιότητας, τα οποία διαφέρουν ανάλογα με τον κατασκευαστή.

· **Χρόνος διείσδυσης του υλικού γαντιών**

Ο ακριβής χρόνος διέλευσης ανακοινώνεται από τον κατασκευαστή των προστατευτικών γαντιών και θα πρέπει να τηρείται πάντοτε.

· **Προστασία για τα μάτια:**



Προστατευτικά γυαλιά απολύτως εφαρμοστά.

GR

(συνέχεια στη σελίδα 5)



**Δελτίο δεδομένων ασφαλείας**  
**σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31**

Ημερομηνία εκτύπωσης: 07.05.2015

Αναθεώρηση: 07.05.2015

**Όνομασία του προϊόντος στο εμπόριο: (BDMA) N-Benzylidimethylamine**

(συνέχεια από τη σελίδα 4)

**ΤΜΗΜΑ 9: Φυσικές και χημικές ιδιότητες**

· 9.1 Στοιχεία για τις βασικές φυσικές και χημικές ιδιότητες	
· Γενικές πληροφορίες	
· Όψη:	
Μορφή:	υγρό
Χρώμα:	ανοιχτό κίτρινο
· Οσμή:	αντίστοιχη των αμίνων
· Όριο οσμής:	Μη καθορισμένο.
· Τιμή pH:	Μη καθορισμένο.
· Μεταβολή της ύλης:	
Σημείο τήξεως/όρια ρευστοποίησης:	-75 °C
Σημείο ζέσεως/όρια ζέσεως:	176 °C
· Σημείο αναφλέξεως:	54 °C
· Αναφλέγεται (σε στερεή κατάσταση, σε μορφή αερίου: Μη χρησιμοποιήσιμο	
· Θερμοκρασία αναφλέξεως:	
Θερμοκρασία αποσυνθέσεως:	Μη καθορισμένο.
· Κίνδυνος αυτοαναφλέξεως:	Μη καθορισμένο.
· Κίνδυνος εκρήξεως:	Δεν υφίσταται κίνδυνος εκρήξεως του προϊόντος, όμως είναι δυνατόν να σχηματιστούν επικίνδυνα εκρηκτικά μείγματα ατμού/αέρα.
· Όρια κινδύνου εκρήξεως:	
κατώτερα:	Μη καθορισμένο.
ανώτερα:	Μη καθορισμένο.
· Πίεση ατμού σε 20 °C:	2,8 hPa
· Πυκνότητα σε 20 °C:	0,915 g/cm <sup>3</sup>
· Σχετική πυκνότητα	Μη καθορισμένο.
· Πυκνότητα ατμών	Μη καθορισμένο.
· Ταχύτητα ατμοποίησης	Μη καθορισμένο.
· Διαλυτότητα σε / αναμειξιμον με νερό:	δεν αναμειγνύεται ή αναμειγνύεται λίγο
· Συντελεστής διανομής (n-Octanol/H <sub>2</sub> O)	Μη καθορισμένο.
· Ιξώδης ιδιότητα:	
δυναμική:	Μη καθορισμένο.
κινηματική:	Μη καθορισμένο.
· Περιεκτικότητα σε διαλυτικό:	
οργανικές διαλυτικές ουσίες:	0,0 %
VOC (ΕΚ)	0,00 %
· 9.2 Άλλες πληροφορίες	Δεν διατίθενται άλλες σχετικές πληροφορίες.

GR

(συνέχεια στη σελίδα 6)

# Δελτίο δεδομένων ασφαλείας

## σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31

Ημερομηνία εκτύπωσης: 07.05.2015

Αναθεώρηση: 07.05.2015

**Όνομασία του προϊόντος στο εμπόριο: (BDMA) N-Benzylidimethylamine**

(συνέχεια από τη σελίδα 5)

### ΤΜΗΜΑ 10: Σταθερότητα και δραστηριότητα

- **10.1 Δραστηριότητα**
- **10.2 Χημική σταθερότητα**
- **Θερμική αποσύνθεση / Όροι που πρέπει να αποφεύγονται:**  
Δεν αποσυντίθεται αν η χρησιμοποίησή του γίνεται κανονικά.
- **10.3 Πιθανότητα επικίνδυνων αντιδράσεων** Δεν είναι γνωστή καμία επικίνδυνη αντίδραση.
- **10.4 Συνθήκες προς αποφυγή** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **10.5 Μη συμβατά υλικά:** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **10.6 Επικίνδυνα προϊόντα αποσύνθεσης:** Δεν είναι γνωστά επικίνδυνα προϊόντα αποσυνθέσεως.

### ΤΜΗΜΑ 11: Τοξικολογικές πληροφορίες

- **11.1 Πληροφορίες για τις τοξικολογικές επιπτώσεις**
- **Κίνδυνος άμεσης τοξικότητας:**

- **Σημαντικές τιμές κατάταξης-LD/LC50**

#### 103-83-3 βενζυλοδιμεθυλαμίνη

Από το στόμα	LD50	265 mg/kg (rat)
Από το δέρμα	LD50	1660 mg/kg (rabbit)
Εισπνέοντας	LC50/4 h	2,06 mg/l (rat)

- **Αρχική ερεθιστική ενέργεια:**
- **στο δέρμα:** Έντονες καυστικές επιδράσεις στο δέρμα και στις βλεννώδεις μεμβράνες.
- **στο μάτι:** Έντονες καυστικές επιδράσεις
- **Ευαισθητοποίηση:** Δεν είναι γνωστή καμία ευαισθητοποίηση.
- **Συμπληρωματικές τοξικολογικές ενδείξεις:**  
Σε περίπτωση κατάποσης προκαλεί εγκαύματα στο στόμα και φάρυγγα καθώς και κίνδυνο διάτρησης του οισοφάγου και στομάχου.

### ΤΜΗΜΑ 12: Οικολογικές πληροφορίες

- **12.1 Τοξικότητα**
- **Υδατική τοξικότητα:** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **12.2 Ανθεκτικότητα και αποικοδόμηση** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **12.3 Δυνατότητα βιοσυσσώρευσης** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **12.4 Κινητικότητα στο έδαφος** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **Βιοτοξικές επιπτώσεις:**
- **Παρατήρηση:** Βλαβερό για τα ψάρια.
- **Περαιτέρω οικολογικές ενδείξεις:**
- **Γενικές οδηγίες:**

Επικίνδυνο για το υδάτινο περιβάλλον - Κλάση 2 (εκτίμηση καταλόγου): επικίνδυνο  
Δεν επιτρέπεται να διεισδύει στα γήινα νερά, να αδειάζεται στο υδάτινο περιβάλλον ή στην αποχέτευση.  
Δεν επιτρέπεται αναρραίοτο ή μη ουδετεροποιημένο να αδειάζεται στα απόνερα δηλ. σε βόθρους.  
Επικίνδυνο για το πόσιμο νερό ακόμη και όταν εκκρέουν στο υπέδαφος μικρές ποσότητες.  
Βλαβερό για τους υδρόβιους οργανισμούς.

- **12.5 Αποτελέσματα της αξιολόγησης ABT και aAaB**
- **ABT:** Μη χρησιμοποιήσιμο
- **AAaB:** Μη χρησιμοποιήσιμο
- **12.6 Άλλες αρνητικές επιπτώσεις** Δεν διατίθενται άλλες σχετικές πληροφορίες.

GR

(συνέχεια στη σελίδα 7)

**Δελτίο δεδομένων ασφαλείας**  
**σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31**

Ημερομηνία εκτύπωσης: 07.05.2015

Αναθεώρηση: 07.05.2015



**Όνομασία του προϊόντος στο εμπόριο: (BDMA) N-Benzylidimethylamine**

(συνέχεια από τη σελίδα 6)

**ΤΜΗΜΑ 13: Στοιχεία σχετικά με την απόρριψη**

- **13.1 Μέθοδοι διαχείρισης αποβλήτων**
- **Σύσταση:** Δεν επιτρέπεται να εναποτεθεί μαζί με τα κοινά απορρίμματα. Μην το αδειάζετε στην αποχέτευση.
- **Ακάθαρτες συσκευασίες:**
- **Σύσταση:** Η εναπόθεση γίνεται σύμφωνα με τις επίσημες οδηγίες.

**ΤΜΗΜΑ 14: Πληροφορίες σχετικά με τη μεταφορά**

- |  |  |
|--|--|
| · 14.1 Αριθμός UN<br>· ADR, IMDG, IATA   | UN2619   |
| · 14.2 Οικεία ονομασία αποστολής OHE<br>· ADR<br>· IMDG, IATA  | 2619 BENZYΛΟΔΙΜΕΘΥΛΑΜΙΝΗ<br>BENZYLIDIMETHYLAMINE |
| · 14.3 Τάξη/τάξεις κινδύνου κατά τη μεταφορά<br>· ADR  |  |
|                                 |  |
| · τάξη<br>· Δελτίο κινδύνου  | 8 Διαβρωτικές ουσίες<br>8+3                      |
| · IMDG, IATA   |  |
|                               |  |
| · Class<br>· Label   | 8 Διαβρωτικές ουσίες<br>8 + 3                    |
| · 14.4 Ομάδα συσκευασίας<br>· ADR, IMDG, IATA  | II   |
| · 14.5 Περιβαλλοντικοί κίνδυνοι:<br>· Marine pollutant:  | Όχι  |
| · 14.6 Ειδικές προφυλάξεις για τον χρήστη<br>· Αριθμός Kertler:<br>· Αριθμός-EMS:                                | Προσοχή: Διαβρωτικές ουσίες<br>83<br>F-E,S-C     |
| · 14.7 Χύδην μεταφορά σύμφωνα με το παράρτημα II της σύμβασης MARPOL 73/78 και του κώδικα IBC Μη χρησιμοποιήσιμο |  |
| · Μεταφορά/περαιτέρω δηλώσεις:   |  |
| · ADR<br>· Περιορισμένες ποσότητες (LQ)  | IL   |

(συνέχεια στη σελίδα 8)

**Δελτίο δεδομένων ασφαλείας**  
**σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31**

Ημερομηνία εκτύπωσης: 07.05.2015

Αναθεώρηση: 07.05.2015

**Όνομασία του προϊόντος στο εμπόριο: (BDMA) N-Benzylidimethylamine**

(συνέχεια από τη σελίδα 7)

· <b>Εξαιρούμενες ποσότητες (EQ)</b>	Κωδικός: E2 Μέγιστη καθαρή ποσότητα ανά εσωτερική συσκευασία: 30 ml Μέγιστη καθαρή ποσότητα ανά εξωτερική συσκευασία: 500 ml
· <b>Ομάδα μεταφοράς</b>	2
· <b>Κωδικοί περιορισμού σήραγγας:</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN2619, BENZYLΔΙΜΕΘΥΛΑΜΙΝΗ, 8 (3), II

**ΤΜΗΜΑ 15: Στοιχεία σχετικά με τη νομοθεσία**

- **15.1 Κανονισμοί/νομοθεσία σχετικά με την ασφάλεια, την υγεία και το περιβάλλον για την ουσία ή το μείγμα**  
Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **15.2 Αξιολόγηση χημικής ασφάλειας:** Η αξιολόγηση χημικής ασφάλειας δεν πραγματοποιήθηκε.

**ΤΜΗΜΑ 16: Άλλες πληροφορίες**

Αυτές οι δηλώσεις βασίζονται στο σημερινό επίπεδο των γνώσεών μας, δεν αποτελούν εγγύηση για τις ιδιότητες των προϊόντων ούτε αιτιολογούν νομικές συνέπειες.

· **Συντμήσεις και αρκτικόλεξα:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

**Scheda di dati di sicurezza**  
ai sensi del regolamento 1907/2006/CE, Articolo 31

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### SEZIONE 1: Identificazione della sostanza o della miscela e della società/impresa

· **1.1 Identificatore del prodotto**

· **Denominazione commerciale:** (BDMA) N-Benzylidimethylamine

· **Articolo numero:** 11400, 11400-25

· **Numero CAS:**

103-83-3

· **Numeri CE:**

203-149-1

· **Numero indice:**

612-074-00-7

· **1.2 Usi pertinenti identificati della sostanza o miscela e usi sconsigliati** Non sono disponibili altre informazioni.

· **Utilizzazione della Sostanza / del Preparato** Prodotti chimici per laboratorio

· **1.3 Informazioni sul fornitore della scheda di dati di sicurezza**

· **Produttore/fornitore:**

Electron Microscopy Sciences

1560 Industry Road

USA-Hatfield, PA 19440

Tel: 215-412-8400 Fax: 215-412-8450

email: sgkcck@aol.com

www.emsdiasum.com

Societa Italiana Chimici

Via Rio Nell Ellba 140

00138 Rome, Italy

Tel: 39 06 8800211

Fax: 39 30 06 8815313

Web: www.sichim.com

· **Informazioni fornite da:** Product safety department

· **1.4 Numero telefonico di emergenza:**

ChemTrec 1-800-424-9300 Contract CCN7661

1-703-527-3887

### SEZIONE 2: Identificazione dei pericoli

· **2.1 Classificazione della sostanza o della miscela**

· **Classificazione secondo il regolamento (CE) n. 1272/2008**



GHS02 fiamma

Flam. Liq. 3

H226 Liquido e vapori infiammabili.



GHS05 corrosione

Skin Corr. 1B

H314 Provoca gravi ustioni cutanee e gravi lesioni oculari.



GHS07

Acute Tox. 4

H302 Nocivo se ingerito.

Acute Tox. 4

H312 Nocivo per contatto con la pelle.

Acute Tox. 4

H332 Nocivo se inalato.

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**Denominazione commerciale: (BDMA) N-Benzylidimethylamine**

(Segue da pagina 1)

*Aquatic Chronic 3 H412 Nocivo per gli organismi acquatici con effetti di lunga durata.*

· **2.2 Elementi dell'etichetta**

· **Etichettatura secondo il regolamento (CE) n. 1272/2008**

*La sostanza è classificata ed etichettata conformemente al regolamento CLP.*

· **Pittogrammi di pericolo**



GHS02   GHS05   GHS07

· **Avvertenza Pericolo**

· **Componenti pericolosi che ne determinano l'etichettatura:**

*benzildimetilamina*

· **Indicazioni di pericolo**

H226                      *Liquido e vapori infiammabili.*

H302+H312+H332      *Nocivo se ingerito, a contatto con la pelle o se inalato.*

H314                      *Provoca gravi ustioni cutanee e gravi lesioni oculari.*

H412                      *Nocivo per gli organismi acquatici con effetti di lunga durata.*

· **Consigli di prudenza**

P210                      *Tenere lontano da fonti di calore/scintille/fiamme libere/superfici riscaldate. - Non fumare.*

P303+P361+P353      *IN CASO DI CONTATTO CON LA PELLE (o con i capelli): togliersi di dosso immediatamente tutti gli indumenti contaminati. Sciacquare la pelle/fare una doccia.*

P305+P351+P338      *IN CASO DI CONTATTO CON GLI OCCHI: sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare.*

P310                      *Contattare immediatamente un CENTRO ANTIVELENI/un medico.*

P405                      *Conservare sotto chiave.*

P501                      *Smaltire il prodotto/recipiente in conformità con le disposizioni locali / regionali / nazionali / internazionali.*

· **2.3 Altri pericoli**

· **Risultati della valutazione PBT e vPvB**

· **PBT:** Non applicabile.

· **vPvB:** Non applicabile.

### SEZIONE 3: Composizione/informazioni sugli ingredienti

· **3.1 Caratteristiche chimiche: Sostanze**

· **Numero CAS**

*103-83-3 benzildimetilamina*

· **Numerali di identificazione**

· **Numerali CE:** 203-149-1

· **Numero indice:** 612-074-00-7

### SEZIONE 4: Misure di primo soccorso

· **4.1 Descrizione delle misure di primo soccorso**

· **Indicazioni generali:**

*Allontanare immediatamente gli abiti contaminati dal prodotto.*

*I sintomi di avvelenamento possono comparire dopo molte ore, per tale motivo è necessaria la sorveglianza di un medico nelle 48 ore successive all'incidente.*

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(Segue da pagina 2)

· **Inalazione:**

Portare in zona ben areata, praticare eventualmente la respirazione artificiale, tenere al caldo. Se i disturbi persistono consultare il medico.

Se il soggetto è svenuto provvedere a tenerlo durante il trasporto in posizione stabile su un fianco.

· **Contatto con la pelle:** Lavare immediatamente con acqua e sapone sciacquando accuratamente.

· **Contatto con gli occhi:**

Lavare con acqua corrente per diversi minuti tenendo le palpebre ben aperte e consultare il medico.

· **Ingestione:**

Chiamare subito il medico.

Bere abbondante acqua e sostare in zona ben areata. Richiedere immediatamente l'intervento del medico.

· **4.2 Principali sintomi ed effetti, sia acuti che ritardati** Non sono disponibili altre informazioni.

· **4.3 Indicazione della eventuale necessità di consultare immediatamente un medico e di trattamenti speciali**

Non sono disponibili altre informazioni.

**SEZIONE 5: Misure antincendio**

· **5.1 Mezzi di estinzione**

· **Mezzi di estinzione idonei:** CO<sub>2</sub>, sabbia, polvere. Non usare acqua.

· **Mezzi di estinzione inadatti per motivi di sicurezza:** Getti d'acqua

· **5.2 Pericoli speciali derivanti dalla sostanza o dalla miscela** Non sono disponibili altre informazioni.

· **5.3 Raccomandazioni per gli addetti all'estinzione degli incendi**

· **Mezzi protettivi specifici:** Indossare il respiratore.

**SEZIONE 6: Misure in caso di rilascio accidentale**

· **6.1 Precauzioni personali, dispositivi di protezione e procedure in caso di emergenza**

Indossare equipaggiamento protettivo. Allontanare le persone non equipaggiate.

· **6.2 Precauzioni ambientali:**

In caso di infiltrazione nei corpi d'acqua o nelle fognature avvertire le autorità competenti.

Impedire infiltrazioni nella fognatura/nelle acque superficiali/nelle acque freatiche.

· **6.3 Metodi e materiali per il contenimento e per la bonifica:**

Raccogliere il liquido con materiale assorbente (sabbia, tripoli, legante di acidi, legante universale, segatura).

Utilizzare mezzi di neutralizzazione.

Smaltimento del materiale contaminato conformemente al punto 13.

Provvedere ad una sufficiente areazione.

Non dilavare con acqua o detergenti liquidi.

· **6.4 Riferimento ad altre sezioni**

Per informazioni relative ad un manipolazione sicura, vedere capitolo 7.

Per informazioni relative all'equipaggiamento protettivo ad uso personale vedere Capitolo 8.

Per informazioni relative allo smaltimento vedere Capitolo 13.

**SEZIONE 7: Manipolazione e immagazzinamento**

· **7.1 Precauzioni per la manipolazione sicura**

Accurata ventilazione/aspirazione nei luoghi di lavoro.

Evitare la formazione di aerosol.

· **Indicazioni in caso di incendio ed esplosione:**

Tenere lontano da fonti di calore, non fumare.

Proteggere dal calore.

Adottare provvedimenti contro cariche elettrostatiche.

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- **7.2 Condizioni per l'immagazzinamento sicuro, comprese eventuali incompatibilità**
- **Stoccaggio:**
- **Requisiti dei magazzini e dei recipienti:** Non sono richiesti requisiti particolari.
- **Indicazioni sullo stoccaggio misto:** Non necessario.
- **Ulteriori indicazioni relative alle condizioni di immagazzinamento:**  
Mantenere i recipienti ermeticamente chiusi.  
Proteggere dal calore e dai raggi diretti del sole.
- **7.3 Usi finali specifici** Non sono disponibili altre informazioni.

### SEZIONE 8: Controllo dell'esposizione/protezione individuale

- **Ulteriori indicazioni sulla struttura di impianti tecnici:** Nessun dato ulteriore, vedere punto 7.
- **8.1 Parametri di controllo**
- **Componenti i cui valori limite devono essere tenuti sotto controllo negli ambienti di lavoro:** Non Necessario.
- **Ulteriori indicazioni:** Le liste valide alla data di compilazione sono state usate come base.
- **8.2 Controlli dell'esposizione**
- **Mezzi protettivi individuali:**
- **Norme generali protettive e di igiene del lavoro:**  
Tenere lontano da cibo, bevande e foraggi.  
Togliere immediatamente gli abiti contaminati.  
Lavarsi le mani prima dell'intervallo o a lavoro terminato.  
Evitare il contatto con gli occhi e la pelle.
- **Maschera protettiva:**  
Nelle esposizioni brevi e minime utilizzare la maschera; nelle esposizioni più intense e durature indossare l'autorespiratore.
- **Guanti protettivi:**



Guanti protettivi

Il materiale dei guanti deve essere impermeabile e stabile contro il prodotto/ la sostanza/ la formulazione. A causa della mancanza di tests non può essere consigliato alcun tipo di materiale per i guanti con cui manipolare il prodotto / la formulazione / la miscela di sostanze chimiche. Scelta del materiale dei guanti in considerazione dei tempi di passaggio, dei tassi di permeazione e della degradazione.

- **Materiale dei guanti**  
La scelta dei guanti adatti non dipende soltanto dal materiale bensì anche da altre caratteristiche di qualità variabili da un produttore a un altro.
- **Tempo di permeazione del materiale dei guanti**  
Richiedere dal fornitore dei guanti il tempo di passaggio preciso il quale deve essere rispettato.
- **Occhiali protettivi:**



Occhiali protettivi a tenuta

IT

(continua a pagina 5)



**Scheda di dati di sicurezza**  
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Denominazione commerciale: (BDMA) N-Benzylidimethylamine

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### SEZIONE 9: Proprietà fisiche e chimiche

#### · 9.1 Informazioni sulle proprietà fisiche e chimiche fondamentali

##### · Indicazioni generali

##### · Aspetto:

Forma:	Liquido
Colore:	Giallo chiaro
· Odore:	Amminico
· Soglia olfattiva:	Non definito.

· valori di pH: Non definito.

##### · Cambiamento di stato

Temperatura di fusione/ambito di fusione:	-75 °C
Temperatura di ebollizione/ambito di ebollizione:	176 °C

· Punto di infiammabilità: 54 °C

· Infiammabilità (solido, gassoso): Non applicabile.

##### · Temperatura di accensione:

  Temperatura di decomposizione: Non definito.

· Autoaccensione: Non definito.

· Pericolo di esplosione: Prodotto non è esplosivo, è tuttavia possibile la formazione di miscele di vapori/aria esplosive.

##### · Limiti di infiammabilità:

Inferiore:	Non definito.
Superiore:	Non definito.

· Tensione di vapore a 20 °C: 2,8 hPa

· Densità a 20 °C:	0,915 g/cm <sup>3</sup>
· Densità relativa	Non definito.
· Densità del vapore	Non definito.
· Velocità di evaporazione	Non definito.

· Solubilità in/Miscibilità con acqua: Poco e/o non miscibile.

· Coefficiente di distribuzione (n-Octanol/acqua): Non definito.

##### · Viscosità:

Dinamica:	Non definito.
Cinematica:	Non definito.

##### · Tenore del solvente:

Solventi organici:	0,0 %
VOC (CE)	0,00 %

· 9.2 Altre informazioni: Non sono disponibili altre informazioni.

### SEZIONE 10: Stabilità e reattività

#### · 10.1 Reattività

#### · 10.2 Stabilità chimica

· Decomposizione termica/ condizioni da evitare: Il prodotto non si decompone se utilizzato secondo le norme.

· 10.3 Possibilità di reazioni pericolose Non sono note reazioni pericolose.

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**Denominazione commerciale:** (BDMA) N-Benzildimetilamine

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- **10.4 Condizioni da evitare** Non sono disponibili altre informazioni.
- **10.5 Materiali incompatibili:** Non sono disponibili altre informazioni.
- **10.6 Prodotti di decomposizione pericolosi:** Non sono noti prodotti di decomposizione pericolosi.

### SEZIONE 11: Informazioni tossicologiche

- **11.1 Informazioni sugli effetti tossicologici**
- **Tossicità acuta:**

- **Valori LD/LC50 rilevanti per la classificazione:**

#### 103-83-3 benzildimetilamina

Orale	LD50	265 mg/kg (rat)
Cutaneo	LD50	1660 mg/kg (rabbit)
Per inalazione	LC50/4 h	2,06 mg/l (rat)

- **Irritabilità primaria:**
- **sulla pelle:** Fortemente corrosivo sulla pelle e sulle mucose.
- **sugli occhi:** Fortemente corrosivo.
- **Sensibilizzazione:** Non si conoscono effetti sensibilizzanti.
- **Ulteriori dati tossicologici:**  
Se ingerito provoca forte corrosione della cavità orale e della faringe con rischio di perforazione dell'esofago e dello stomaco.

### SEZIONE 12: Informazioni ecologiche

- **12.1 Tossicità**
- **Tossicità acquatica:** Non sono disponibili altre informazioni.
- **12.2 Persistenza e degradabilità** Non sono disponibili altre informazioni.
- **12.3 Potenziale di bioaccumulo** Non sono disponibili altre informazioni.
- **12.4 Mobilità nel suolo** Non sono disponibili altre informazioni.
- **Effetti tossici per l'ambiente:**
- **Osservazioni:** Nocivo per i pesci.
- **Ulteriori indicazioni in materia ambientale:**
- **Ulteriori indicazioni:**  
Pericolosità per le acque classe 2 (D) (Classif. secondo le liste): pericoloso  
Non immettere nelle acque freatiche, nei corsi d'acqua o nelle fognature.  
Non immettere il prodotto non diluito o non neutralizzato nelle acque di scarico e nei canali di raccolta.  
Pericolo per le acque potabili anche in caso di perdite nel sottosuolo di piccole quantità di prodotto.  
nocivo per gli organismi acquatici
- **12.5 Risultati della valutazione PBT e vPvB**
- **PBT:** Non applicabile.
- **vPvB:** Non applicabile.
- **12.6 Altri effetti avversi** Non sono disponibili altre informazioni.

### SEZIONE 13: Considerazioni sullo smaltimento

- **13.1 Metodi di trattamento dei rifiuti**
- **Consigli:** Non smaltire il prodotto insieme ai rifiuti domestici Non immettere nelle fognature.

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- **Imballaggi non puliti:**
- **Consigli:** Smaltimento in conformità con le disposizioni amministrative.

### SEZIONE 14: Informazioni sul trasporto

- **14.1 Numero ONU**
- **ADR, IMDG, IATA**

UN2619

- **14.2 Nome di spedizione dell'ONU**

- **ADR**
- **IMDG, IATA**

2619 BENZILDIMETILAMMINA  
BENZYLDIMETHYLAMINE

- **14.3 Classi di pericolo connesso al trasporto**

- **ADR**



- **Classe**
- **Etichetta**

8 Materie corrosive  
8+3

- **IMDG, IATA**



- **Class**
- **Label**

8 Materie corrosive  
8 + 3

- **14.4 Gruppo di imballaggio**

- **ADR, IMDG, IATA**

II

- **14.5 Pericoli per l'ambiente:**

- **Marine pollutant:**

No

- **14.6 Precauzioni speciali per gli utilizzatori**

- **Numero Kemler:**
- **Numero EMS:**

Attenzione: Materie corrosive  
83  
F-E,S-C

- **14.7 Trasporto di rinfuse secondo l'allegato II di MARPOL 73/78 ed il codice IBC**

Non applicabile.

- **Trasporto/ulteriori indicazioni:**

- **ADR**

- **Quantità limitate (LQ)**
- **Quantità esenti (EQ)**

1L  
Codice: E2  
Quantità massima netta per imballaggio interno: 30 ml  
Quantità massima netta per imballaggio esterno: 500 ml

- **Categoria di trasporto**
- **Codice di restrizione in galleria**

2  
D/E

(continua a pagina 8)

**Scheda di dati di sicurezza**  
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 07.05.2015

Revisione: 07.05.2015

**Denominazione commerciale: (BDMA) N-Benzylidimethylamine**

(Segue da pagina 7)

- |                                   |   |
|-----------------------------------|---|
| · <b>IMDG</b>                     |   |
| · <b>Limited quantities (LQ)</b>  | 1L  |
| · <b>Excepted quantities (EQ)</b> | Code: E2<br>Maximum net quantity per inner packaging: 30 ml<br>Maximum net quantity per outer packaging: 500 ml |
| · <b>UN "Model Regulation":</b>   | UN2619, BENZILDIMETILAMMINA, 8 (3), II  |

### SEZIONE 15: Informazioni sulla regolamentazione

- **15.1 Norme e legislazione su salute, sicurezza e ambiente specifiche per la sostanza o la miscela**  
Non sono disponibili altre informazioni.
- **15.2 Valutazione della sicurezza chimica:** Una valutazione della sicurezza chimica non è stata effettuata.

### SEZIONE 16: Altre informazioni

I dati sono riportati sulla base delle nostre conoscenze attuali, non rappresentano tuttavia alcuna garanzia delle caratteristiche del prodotto e non motivano alcun rapporto giuridico contrattuale.

· **Abbreviazioni e acronimi:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

IT

# 製品安全データシート

## JIS Z7253 による分類

印刷日: 2015.05.07

改訂日: 2015.05.07

### 1 化学物質等及び会社情報

- ・ **製品識別子**
- ・ **商品名:** (BDMA) N-Benzyl dimethylamine
- ・ **製品番号:** 11400, 11400-25
- ・ **CAS 番号:** 103-83-3
- ・ **EC 番号:** 203-149-1
- ・ **EU 番号:** 612-074-00-7
- ・ **該当純物質または混合物の関連特定用途及び使用禁止用途** 追加的な関連情報は得られていません。
- ・ **成分の利用/割合** 実験用化学物質
- ・ **安全データシートの供給元の詳細情報**
- ・ **製造者/納入者:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: sgkcck@aol.com  
www.emsdiasum.com
- ・ **その他の情報問い合わせ先:** Product safety department
- ・ **緊急通報用電話番号:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### 2 危険有害性の要約

#### ・ 純物質または混合物の分類



火炎

引火性液体 区分3

H226 引火性液体及び蒸気



腐食

皮膚腐食性/刺激性 区分1B

H314 重篤な皮膚の薬傷及び眼の損傷



急性毒性(経口) 区分4

H302 飲み込むと有害

急性毒性(経皮) 区分4

H312 皮膚に接触すると有害

急性毒性(吸入) 区分4

H332 吸入すると有害

水生環境有害性(慢性毒性) 区分3 H412 長期継続的影響によって水生生物に有害

#### ・ ラベル要素

#### ・ GHS ラベル要素

本化学物質はGHS(化学品の分類および表示に関する世界調和システム)により分類及び表示されています。

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# 製品安全データシート

## JIS Z7253 による分類

印刷日: 2015.05.07

改訂日: 2015.05.07

商品名: (BDMA) N-Benzyl dimethylamine

(1ページの続き)

### 危険図表



GHS02 GHS05 GHS07

### 表示語 危険

### 危険と定められた成分をラベル表示:

benzyl dimethylamine

### 危険文句

引火性液体及び蒸気  
 飲み込んだり、皮膚に接触したり、吸入すると有害  
 重篤な皮膚の薬傷及び眼の損傷  
 長期継続的影響によって水生生物に有害

### 注意文句

熱 / 火花 / 裸火 / 高温のもののような着火源から遠ざけること。-禁煙。  
 皮膚 (又は髪) に付着した場合: 直ちに汚染された衣類を全て脱ぐこと。皮膚を流水 / シャワーで洗うこと。  
 眼に入った場合: 水で数分間注意深く洗うこと。次にコンタクトレンズを着用していて容易に外せる場合は外すこと。その後も洗浄を続けること。  
 ただちに毒物センター/医師に連絡すること。  
 施錠して保管すること。  
 現地/地域/国/国際規定に従い内容物・容器の露出

### その他の危険性

- ・PBT (残留性、生物濃縮性、毒性物質) 及び vPvB (高残留性、高生物濃縮性物質) アセスメント
- ・PBT (残留性、生物濃縮性、毒性物質): 情報なし
- ・vPvB (高残留性、高生物濃縮性物質): 情報なし

## 3 組成・成分情報

### 化学的特性: 化学物質

### CAS 番号表示

103-83-3 benzyl dimethylamine

### ID 番号

EC 番号: 203-149-1

EU 番号: 612-074-00-7

## 4 応急措置

### 応急手当処置に関する説明

#### 一般情報:

プロダクトの付着した衣類は速やかに脱ぐこと  
 中毒症状は時間がかかり経過した後に現れる場合もあるため、事故後最低 4 8 時間は医師の監視のもとで過ごすこと

#### 吸い込んだ場合:

外気を送り込み、同時に人工呼吸、温める。状態がよくなる場合には医師に相談する  
 意識不明の場合には安定させた状態で横向きに寝かせ、移送する

#### 皮膚が触れた場合: 即刻石鹸と水で洗い、よくすすぐ

#### 眼に入った場合: 瞼を開けたまま、流水で何分間か眼をすすぎ、医者に相談する

#### 飲み込んだ場合:

即医者と呼ぶ

(3ページに続く)

# 製品安全データシート

## JIS Z7253 による分類

印刷日: 2015.05.07

改訂日: 2015.05.07

商品名: (BDMA) N-Benzylidimethylamine

(2ページの続き)

- 十分水を飲み、外気を吸う。速やかに医者を呼ぶ
- 最も重要な急性及び慢性の症状及び影響 追加的な関連情報は得られていません。
- 何らかの即時医療処置及び特別治療の必要性を示す兆候 追加的な関連情報は得られていません。

### 5 火災時の措置

- 消火剤
- 適切な消火剤: CO<sub>2</sub>、砂、消火剤、水は使用しない
- 安全上の理由から不適切な消火剤: 全開状態で放水
- 本化学物質または混合物から発生する特別な危険性 追加的な関連情報は得られていません。
- 消防士向けアドバイス
- 特別な保護装備: 呼吸保護マスクを着用

### 6 漏出時の措置

- 個人的予防措置、保護具及び応急処置法 防護服を着用。防護服を着用していない人は近づけない
- 環境関連予防措置:  
河川、下水処理施設に流れ込んだ場合には関係当局に連絡する  
下水処理施設、地上水あるいは地下水に達しないようにする
- 封じ込め及び浄化のための方法及び材料:  
液体吸収材 (砂、珪藻土、酸結合剤、ユニバーサル結合剤、おがくず) で吸収する  
中和剤を使用  
13 項に下がい汚染材は廃棄物として処理する  
十分な換気を心がける  
水もしくは液体洗剤で洗い流さない
- 他のセクションへの言及  
安全な取り扱い方に関しては 7 項を参照  
人の保護装備の情報に関しては 8 項を参照  
廃棄処分に関しては 13 項参照

### 7 取扱い・保管上の注意

- 安全操作のための予防措置  
作業場では十分な換気、埃を吸い取るよう心がける  
エアゾールの発生を防ぐ
- 火災および爆発防止に関する注意事項:  
発火元は遠ざける。禁煙  
高温から保護する  
静電荷を防ぐ措置をほどこす
- 混融危険性を含めた安全貯蔵条件
- 保管:  
保管スペースおよび容器に関する要求事項: 特別な要求事項なし  
同じ場所に保管する際の注意事項: 必要ない  
保管条件に関するその他の注意事項:  
容器は密閉した状態に保つ  
熱および直射日光は避ける
- 特定の最終用途 追加的な関連情報は得られていません。

JP

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# 製品安全データシート

## JIS Z7253 による分類

印刷日: 2015.05.07

改訂日: 2015.05.07

商品名: (BDMA) N-Benzyl dimethylamine

(3ページの続き)

### 8 暴露防止及び保護措置

- ・ **技術設備の形体に関する追加注意事項:** その他の申し立てなし、7項参照
- ・ **管理パラメーター**
- ・ **作業場において限界値の監視を要する成分:** 削除
- ・ **追加注意事項:** 生成時に有効なリストがもたれている
- ・ **暴露管理**
- ・ **人的保護装備:**
- ・ **一般防止措置および衛生措置:**
  - 食物、飲み物、飼料からは遠ざける
  - 汚れのしみ込んだ衣類は即刻脱ぐ
  - 休憩の前、作業終了後には手を洗う
  - 眼に入らないよう、また皮膚に接触しないよう注意する
- ・ **呼吸保護器具:**
  - 短時間もしくは負担が小さい場合には呼吸フィルター付装置を、集中的にあるいは長時間触れる場合には、酸素ボンベ付き呼吸保護装備を使用すること
- ・ **手の保護:**



保護手袋

手袋の材質は物質/材料/調剤に対して耐性であり、成分を通すことがあってはならないテストをおこなっていないため、物質/調剤/化合物を取り扱う際の手袋の材質として勧められるものはない

浸透時間、透過性および劣化の点を留意しながら手袋の材質を選択する

- ・ **手袋材** 適当な手袋は材質だけでなく、その他の品質によっても変わり、各メーカーによって異なる
- ・ **手袋材の浸透時間** 正確な浸透時間については保護手袋メーカーに問い合わせ、それを遵守すること
- ・ **眼の保護:**



密閉式保護めがね

### 9 物理的及び化学的性質

- ・ **基本的な物理及び化学特性に関する情報**
- ・ **一般指示事項**
- ・ **外観**
  - 形: 液体
  - 色: ライトイエロー
- ・ **におい:** アミンに類する
- ・ **嗅覚閾値** 決まっていない。
- ・ **pH-値:** 決まっていない。
- ・ **状態の変化**
  - 融点/融解範囲: -75 °C
  - 沸点/沸点範囲: 176 °C
- ・ **引火点:** 54 °C

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# 製品安全データシート

## JIS Z7253 による分類

印刷日: 2015.05.07

改訂日: 2015.05.07

商品名: (BDMA) N-Benzyl dimethylamine

(4ページの続き)

・発火性 (個体、気体):	情報なし
・発火温度:	
分解温度:	決まっていない.
・自然発火性:	決まっていない.
・爆発の危険:	プロダクトは爆発する危険はない。ただし爆発する危険のある蒸気と空気の混合物を形成する可能性はある
・爆発限界:	
下限:	決まっていない.
上限:	決まっていない.
・蒸気圧 約 20 °C:	2.8 hPa
・密度 約 20 °C:	0.915 g/cm <sup>3</sup>
・相対的密度	決まっていない.
・蒸気密度	決まっていない.
・気化速度	決まっていない.
・以下成分における消和性/との混和性	
水:	混ぜ合わせられない、ほとんど混ぜ合わせられない
・分配係数 (n-オクタノール/水):	決まっていない.
・粘性:	
力学的:	決まっていない.
運動性:	決まっていない.
有機溶剤:	0.0 %
・他の情報	追加的な関連情報は得られていません。

## 10 安定性及び反応性

- ・反応性
- ・化学的安定性
- ・熱分解/回避すべき条件: 規定どおりの使用では分解しない
- ・危険反応の可能性 危険な反応は起きていない
- ・避けるべき条件 追加的な関連情報は得られていません。
- ・不適合物質: 追加的な関連情報は得られていません。
- ・危険な分解生成物: 危険な分解プロダクトはない

## 11 有害性情報

- ・毒性学的影響に関する情報
- ・急性毒性:

分類上の LD/LC50 値:		
103-83-3 benzyl dimethylamine		
口	LD50	265 mg/kg (rat)
皮膚	LD50	1660 mg/kg (rabbit)
吸収	LC50/4 h	2.06 mg/l (rat)

- ・初期刺激作用:
- ・皮膚において: 皮膚と粘膜に強い刺激作用

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# 製品安全データシート

## JIS Z7253 による分類

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商品名: (BDMA) N-Benzyl dimethylamine

(5ページの続き)

- ・眼において: 強い刺激作用
- ・感作作用: 感作作用はない
- ・毒性に関する補足注意事項:  
飲み込んだ場合、口内およびのどに強い刺すような痛み、同時に食道および胃に穿孔の危険

### 12 環境影響情報

- ・毒性
- ・水生生物に対する毒性: 追加的な関連情報は得られていません。
- ・持続性及び分解性 追加的な関連情報は得られていません。
- ・生体内蓄積能 追加的な関連情報は得られていません。
- ・土壌内移動性 追加的な関連情報は得られていません。
- ・生態毒性作用:  
注: 魚類にたいして毒性がある
- ・その他のエコロジーに関する注意事項:  
一般注意事項:  
水への危険度分類 2 (ドイツの規定) (リストによる分類): 水に対する危険性あり  
地下水、河川あるいは下水設備に流してはならない  
希薄せずにあるいは中和せずに、廃水もしくは導水路に流してはならない  
地下に少量流れ込んでも飲料水を汚染する  
水生生物にとり毒性がある
- ・PBT (残留性、生物濃縮性、毒性物質) 及び vPvB (高残留性、高生物濃縮性物質) アセスメント
- ・PBT (残留性、生物濃縮性、毒性物質): 情報なし
- ・vPvB (高残留性、高生物濃縮性物質): 情報なし
- ・他の副作用 追加的な関連情報は得られていません。

### 13 廃棄上の注意

- ・廃棄物処理方法
- ・勧告: 家庭ごみとはいっしょに処分できない。下水処理施設に流してはならない
- ・洗浄されていないパッケージ:  
勧告: 関係当局の規則に従って処分する

### 14 輸送上の注意

- ・UN 番号
- ・ADR, IMDG, IATA UN2619
- ・国連出荷正式名
- ・ADR 2619 BENZYLDIMETHYLAMINE
- ・IMDG, IATA BENZYLDIMETHYLAMINE
- ・輸送の危険性クラス
- ・ADR
- 
- ・分類 8 腐食性成分

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# 製品安全データシート


## JIS Z7253 による分類

印刷日: 2015.05.07

改訂日: 2015.05.07

商品名: (BDMA) N-Benzylidimethylamine

(6ページの続き)

・危険物ラベル	8+3
・IMDG, IATA	
	
・Class	8 腐食性成分
・Label	8 + 3
・パッケージの分類	
・ADR, IMDG, IATA	II
・環境危険:	
・海の汚染物質:	いいえ
・ユーザー用特別予防措置	警告: 腐食性成分
・ケムラー符号:	83
・EMS (電子メールサービスナンバー) 番号:	F-E,S-C
・マルポール条約 (MARPOL73/78) 付属書II及びIBCコードに準じたバルク輸送	情報なし
・輸送/その他の説明:	
・ADR	
・Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
・IMDG	
・Limited quantities (LQ)	1L
・Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
・UN "模範規制":	UN2619, BENZYLIDIMETHYLAMINE, 8 (3), II

### 15 適用法令

・該当純物質または混合物に対する安全、衛生及び環境規制・法律

・化審法

・既存化学物質

103-83-3 benzylidimethylamine

3-350

・特定化学物質

物質は含まれていない

・監視化学物質、旧第二種監視化学物質、旧第三種監視化学物質

物質は含まれていない

・優先評価化学物質

物質は含まれていない

・白物質

物質は含まれていない

(8ページに続く)

# 製品安全データシート

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(7ページの続き)

### ・既存化学物質安全性点検結果 (分解性・蓄積性)

物質は含まれている

### ・既存化学物質安全性点検結果 (毒性)

物質は含まれている

### ・GHS ラベル要素

本化学物質はGHS(化学品の分類および表示に関する世界調和システム)により分類及び表示されています。

### ・危険図表



GHS02 GHS05 GHS07

### ・表示語 危険

### ・危険と定められた成分をラベル表示:

benzylidimethylamine

### ・危険文句

引火性液体及び蒸気

飲み込んだり, 皮膚に接触したり, 吸入すると有害

重篤な皮膚の薬傷及び眼の損傷

長期継続的影響によって水生生物に有害

### ・注意文句

熱 / 火花 / 裸火 / 高温のもののような着火源から遠ざけること。-禁煙。

皮膚 (又は髪) に付着した場合: 直ちに汚染された衣類を全て脱ぐこと。皮膚を流水 / シャワーで洗うこと。

眼に入った場合: 水で数分間注意深く洗うこと。次にコンタクトレンズを着用していて容易に外せる場合は外すこと。その後も洗浄を続けること。

ただちに毒物センター/医師に連絡すること。

施錠して保管すること。

現地/地域/国/国際規定に従い内容物・容器の露出

### ・化学物質の安全性評価: 化学物質安全性評価が遂行されていない

## 16 その他の情報

この情報は現在の我々の認識に基づいている。ただし、プロダクトの特性を保証するものではなく、また契約において法的根拠にはならない

### ・縮約と二文字語:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

引火性液体 区分3: Flammable liquids, Hazard Category 3

急性毒性(経口) 区分4: Acute toxicity, Hazard Category 4

皮膚腐食性/刺激性 区分1B: Skin corrosion/irritation, Hazard Category 1B

水生環境有害性(慢性毒性) 区分3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

# 안전지침서

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개정: 2015.05.07

### 1 화학제품과 회사에 관한 정보

- **제품 식별자**
- **제품명: (BDMA) N-Benzylidimethylamine**
- **상품번호:** 11400, 11400-25
- **CAS-번호**  
103-83-3
- **EC 의번호:**  
203-149-1
- **색인 번호:**  
612-074-00-7
- **해당 순물질이나 혼합물의 관련 하위용도 및 사용금지용도** 추가적인 정보가 존재하지 않습니다.
- **제품의 권고 용도와 사용상의 제한:** 실험실 화학품
- **안전데이터포(Safety Data Sheet)내 공급업체 관련 상세 정보**
- **제조사/수입자/유통업자 정보:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: sgkcck@aol.com  
www.emsdiasum.com
- **Samchang Commercial Co., Ltd.**  
Yeo Eui Do  
PO Box 1110  
Seoul, Korea  
Tel: 82 2 703 3040  
Fax: 82 2 717 3298
- **추가적인 정보 획득 가능:** Product safety department
- **비상연락 전화번호:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### 2 유해성.위험성

· **순물질 또는 혼합물의 분류**



화염

인화성 액체    구분3                      H226 인화성 액체 및 증기



부식

피부 부식성/자극성    구분1    H314 피부에 심한 화상과 눈에 손상을 일으킴



급성 독성(경구)    구분4	H302 삼키면 유해함	
급성 독성(경피)    구분4	H312 피부와 접촉하면 유해함	
급성 독성(흡입)    구분4	H332 흡입하면 유해함	

(2 쪽에계속)

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기압점: 2015.05.07

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**제품명: (BDMA) N-Benzylidimethylamine**

(1 쪽부터계속)

수생환경유해성-만성 구분3 H412 장기적인 영향에 의해 수생생물에게 유해함

- 라벨표기 요소
- GHS 라벨 요소
- 본 화학물질은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.
- 그림문자



GHS02    GHS05    GHS07

- 신호어 위험
- **상표상에명확히위험성이표시된성분:**  
benzylidimethylamine
- **유해.위험 문구**  
인화성 액체 및 증기  
삼키거나 피부에 접촉하거나 흡입하면 유해함.  
피부에 심한 화상과 눈에 손상을 일으킴  
장기적인 영향에 의해 수생생물에게 유해함
- **예방조치 문구**  
열,스파크,화염,고열로부터 멀리하십시오 - 금연  
피부(또는 머리카락)에 묻으면 오염된 모든 의복은 벗거나제거하십시오. 피부를 물로 씻으시오/샤워하십시오.  
눈에 묻으면 몇 분간 물로 조심해서 씻으시오. 가능하면콘택트렌즈를 제거하십시오. 계속 씻으시오.  
즉시 독성물질센터/병원 연락 필요.  
잠금장치가 있는 저장장소에 저장하십시오.  
현지/지역/국가/국제 규정에 따라서 내용물/용기 노출
- 기타 유해성
- PBT(잔류성, 생물농축성, 독성 물질) 및 vPvB(고 잔류성, 고 생물농축성 물질) 평가 결과
- PBT(잔류성, 생물농축성, 독성 물질): 해당사항 없음.
- vPvB(고 잔류성, 고 생물농축성 물질): 해당사항 없음.

### 3 구성성분의 명칭 및 함유량

- **화 학 적 특 성:** 화학물질
- **CAS-번호표시**  
103-83-3 benzylidimethylamine
- **식별 번호**
- **EC 의번호:** 203-149-1
- **색인 번호:** 612-074-00-7

### 4 응급조치 요령

- **응급조치요령 내용**
- **일 반 적 정 보:**  
이 제품에 의해 오염된 의상은 즉시 제거한다.  
중독 증상은 몇 시간이 지난 뒤에 발생할 수 있다. 따라서 사고가 발생한 후에 적어도 48 시간동안은 의료진의 관찰을 받아야 한다.
- **흡입했을 때:**  
신선한 공기를 쐬고, 필요할 경우에는 산소 호흡기의 도움을 받는다. 환자를 따뜻하게 하고, 증상이 지속될 경우에는 의료진의 도움을 구한다.  
환자가 의식을 잃었을 경우에는 안전한 자세에서 환자를 운반한다.

(3 쪽에계속)



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기압점: 2015.05.07

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**제품명: (BDMA) N-Benzylidimethylamine**

(2 쪽부터계속)

- **피부에 접촉했을 때:** 즉시 물과 비누로 씻고 잘 행군다.
- **눈에 들어갔을 때:** 흐르는 물에 눈을 몇분동안 씻어내고 나서, 의사와 상담한다.
- **먹었을 때:**  
즉시 의사의 도움을 구한다.  
물을 충분히 마시고 신선한 공기를 쐬다. 즉시 의사의 도움을 구한다.
- **가장 중요한 급·만성 증상 및 영향** 추가적인 정보가 존재하지 않습니다.
- **즉각적인 의료처치 및 특별치료가 필요함을 시사하는 징후** 추가적인 정보가 존재하지 않습니다.

### 5 폭발.화재시 대처방법

- **소화제**
- **적절한 소화제:** 이산화탄소, 모래, 석회 가루를 사용하고, 물을 사용하지 않는다.
- **부적절한 소화제:** 플제트용 물
- **본 화학물질이나 혼합물에서 발생하는 특별 유해성** 추가적인 정보가 존재하지 않습니다.
- **소방관에 대한 권고사항**
- **화재 진압 시 착용할 보호구 및 예방조치:** 호흡보호장비 설치.

### 6 누출 사고 시 대처방법

- **개인적 예방조치, 보호장비 및 응급처치 절차** 안전장비 착용하고, 무방비의 사람은 격리시킨다.
- **환경 관련 예방조치:**  
하천이나 하수도로 유입되었을 경우 해당 관청에 보고한다.  
하수도망/해수면 위의 물/지하수로도 달하지 않게 한다.
- **밀폐 및 정화 방법과 소재:**  
액체가 혼합된 물질 (모래, 규조토, 산성 결합물, 일반 결합물, 톱밥)에 흡입되도록 한다.  
중성제를 사용한다.  
항목 13에 따라 오염된 물질을 쓰레기로 처분한다.  
충분한 환기가 되도록 한다.  
물이나 묽은 세척제로 씻어 내지 마십시오
- **타 섹션 참조**  
안전 관리에 대한 정보는 제7장을 참고하십시오.  
개인 보호 장비에 대한 정보는 제8장을 참고하십시오.  
쓰레기 처리에 대한 정보는 제13장을 참고하십시오.

### 7 취급 및 저장방법

- **안전 취급을 위한 예방조치**  
작업장에서는 통풍이 잘 되고/습기 제거가 잘 되게 주의한다.  
연무질이 형성되는 것을 피한다.
- **화재 및 폭발 사고 예방대책에 관한 정보:**  
발화 요소는 멀리 둔다. 금연.  
열로부터 보호한다.  
정전기의 충전으로부터 보호한다.
- **혼합 위험성 등 안전 저장 조건**
- **보관:**
- **안전한 저장 방법:** 특별한 요구사항이 없음.
- **하나의 공동 보관 시설에 대한 보관 관련 정보:** 필요 없음
- **보관 조건에 관한 추가적인 정보:**  
용기를 새지 않게 밀폐한 채 보관한다.  
열이나 직사광선으로부터 보호한다.

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· **구체적 최종 사용자** 추가적인 정보가 존재하지 않습니다.

### 8 노출방지 및 개인보호구

- **첨단시설 디자인에 대한 추가정보:** 더 이상 의 자료는 없음. 항 목 7 을 참고하시 오.
- **통제 변수**
- **화학물질의 노출기준, 생물학적 노출기준 등:** 생략
- **추 가 정보:** 제 조 할 당시에 유 효 한 목 록 을 기 초 로 사 용 했 다.
- **노출 통제**
- **개인 보호구**
- **일반적보호조치및위생조치:**  
 식료품, 음료수와 사료로부터 멀리 떨어져 뜨려 놓는다.  
 더러워지거나 음료수가 묻은 옷은 즉시 탈의한다.  
 휴식 전 이 나 작업이 끝날때마다 손을 씻는다.  
 눈과 피부와의 접촉은 피한다.
- **호흡기 보호:**  
 단 시간 또는 경미한 오염의 경우에는 호흡 여과기를 사용한다. 심각한 또는 장기간 노출시에는 호흡보호장비를 사용한다.
- **손 보호:**



보호용 장갑

장갑재질은제품 / 원료 / 조제를투과시키지않아야하고, 내구성이있어야한다.  
 테스트를 하지 않았기 때문에 제품 / 조제 / 화학 혼합 물에 적합한 장갑재질에 대한 추천이 없다.  
 투과 시간, 침투율 과 저하를 고려해서 장갑 재료를 선택한다.

- **장갑의재료**  
 적합한장갑의선정은재질차이뿐아니라품질기준의차이도고려하여이루어져야하고제조업자에따라서도다르게선정되어야한다.
- **장갑재료의 투과시간** 정확한관통시간은보호장갑제조자에의하여인지되고, 준수되어야한다.
- **눈 보호:**



팩조이는보안경

### 9 물리화학적 특성

- **기본 물리 및 화학적 특성에 대한 정보**
- **일반정보**
- **외형**
- **물리적 상태:** 액체
- **색:** 연한 노랑
- **냄새:** 아민종류의
- **후각역치** 알맞지않다.
- **pH:** 알맞지않다.
- **상태변화**
- **녹는점/어는점:** -75 °C

(5 쪽에계속)

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(4 쪽부터 계속)

<b>초기 끓는점과 끓는점 범위:</b>	176 °C
· <b>인화점:</b>	54 °C
· <b>인화성(고체, 기체):</b>	해당사항 없음.
· <b>점화온도:</b>	
<b>분해 온도:</b>	알맞지 않다.
· <b>자기점화:</b>	알맞지 않다.
· <b>폭발위험:</b>	이제품은폭발위험성이없지만, 폭발가능성이있는증기화합물/공기화합물의형성가능성이있다.
· <b>인화 또는 폭발 범위의 상한/하한</b>	
아래로:	알맞지 않다.
위로:	알맞지 않다.
· <b>증기압 의경우 20 °C:</b>	2.8 hPa
· <b>밀도 의경우 20 °C:</b>	0.915 g/cm <sup>3</sup>
· <b>비중:</b>	알맞지 않다.
· <b>증기밀도:</b>	알맞지 않다.
· <b>증발 속도:</b>	알맞지 않다.
· <b>용해도:</b>	
<b>물:</b>	각각의경우에따라서는거의혼합할수없는
· <b>n 옥탄올/물 분배계수:</b>	알맞지 않다.
· <b>점도:</b>	
<b>역학성:</b>	알맞지 않다.
<b>동점성:</b>	알맞지 않다.
· <b>용매내용물</b>	
<b>유기용매:</b>	0.0 %
<b>VOC (EU)</b>	0.00 %
· <b>기타 정보</b>	추가적인 정보가 존재하지 않습니다.

### 10 안정성 및 반응성

- **반응성**
- **화학적 안정성**
- **화학적 안정성 및 유해 반응의 가능성 / 피해야 할 조건:** 규정에따라사용할경우해체는없다
- **유해반응 가능성** 위험한반응으로는알려지지않았다.
- **피해야 할 조건** 추가적인 정보가 존재하지 않습니다.
- **혼합 금지 물질:** 추가적인 정보가 존재하지 않습니다.
- **유해분해물질:** 위험성있는분해물들은알려지지않았다.

### 11 독성에 관한 정보

- **독성학적 영향에 대한 정보**
- **급성 독성:**

· <b>LD/LC50-수치에 따른 분류:</b>		
103-83-3 benzyl dimethylamine		
구강의	LD50	265 mg/kg (rat)

(6 쪽에 계속)

# 안전지침서

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기압점: 2015.05.07

개정: 2015.05.07

**제품명: (BDMA) N-Benzyl dimethylamine**

(5 쪽부터계속)

피부의	LD50	1660 mg/kg (rabbit)
흡입의	LC50/4 h	2.06 mg/l (rat)

- **일차적 자극 효과:**
- **피부 부식성 또는 자극성:** 피부와점막에강한부식작용.
- **심한 눈 손상 또는 자극성:** 강한부식작용
- **감각화:** 민감한영향이없는것으로알려져있다.
- **추가적인 독성에 관한 정보:**  
삼킬경우식도나위등의내장기관벽에상처를주는위험과 마찬가지로입주변이나구강에강한부식작용을한다

### 12 환경에 미치는 영향

- **독성**
- **수생독성:** 추가적인 정보가 존재하지 않습니다.
- **지속성 및 분해성** 추가적인 정보가 존재하지 않습니다.
- **생물농축 잠재성** 추가적인 정보가 존재하지 않습니다.
- **토양내 이동성** 추가적인 정보가 존재하지 않습니다.
- **생태독성:**
- **의견:** 어류에 해로움
- **추가적인 생태학 정보:**
- **일반 특징:**  
수질오염등급 2 (목록분류): 수질오염이된 지하수나, 하천으로또는하수도망에도달하지않게한다.  
희석시키지않은채또는중화시키지않은채하수도나배수로에도달하지않게해야한다.  
지하수로경미한양이유입되었을경우엔이미식수오염상태이다  
물속의유기체에해가되는것
- **PBT(잔류성, 생물농축성, 독성 물질) 및 vPvB(고 잔류성, 고 생물농축성 물질) 평가 결과**
- **PBT(잔류성, 생물농축성, 독성 물질):** 해당사항 없음.
- **vPvB(고 잔류성, 고 생물농축성 물질):** 해당사항 없음.
- **기타 부작용** 추가적인 정보가 존재하지 않습니다.

### 13 폐기시 주의사항

- **폐기물 처리 방법**
- **권고:** 생활쓰레기와함께처리되어서는안된다. 하수도망으로유입되어서는안된다.
- **비위생적 포장:**
- **권고:** 당국의지침에입각한쓰레기처리.

### 14 운송에 필요한 정보

· 유엔 번호	
· ADR, IMDG, IATA	UN2619
· UN 적정 선적명	
· ADR	2619 BENZYL DIMETHYLAMINE
· IMDG, IATA	BENZYL DIMETHYLAMINE

(7 쪽에계속)

# 안전지침서

## 제31조의 1907/2006/EC에 따라

기압점: 2015.05.07

개정: 2015.05.07

**제품명: (BDMA) N-Benzylidimethylamine**

(6 쪽부터계속)

<ul style="list-style-type: none"> <li>· 교통 위험 클래스</li> <li>· ADR</li> </ul>	
<ul style="list-style-type: none"> <li>· 등급</li> <li>· 위험물 라벨</li> </ul>	8 부식작용하는물질 8+3
<ul style="list-style-type: none"> <li>· IMDG, IATA</li> </ul>	
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	8 부식작용하는물질 8 + 3
<ul style="list-style-type: none"> <li>· 용기등급</li> <li>· ADR, IMDG, IATA</li> </ul>	II
<ul style="list-style-type: none"> <li>· 환경적 유해물질:</li> <li>· 해양오염물질:</li> </ul>	아니오
<ul style="list-style-type: none"> <li>· 이용자 특별 예방조치</li> <li>· 위험 코드:</li> <li>· EMS-번호:</li> </ul>	경고: 부식작용하는물질 83 F-E,S-C
<ul style="list-style-type: none"> <li>· MARPOL73/78(선박으로부터의 해양오염방지협약) 부속서2 및 IBC Code(국제선적화물코드)에 따른 벌크(bulk) 운송</li> </ul>	해당사항 없음.
<ul style="list-style-type: none"> <li>· 운 송/추가 정보:</li> </ul>	
<ul style="list-style-type: none"> <li>· ADR</li> <li>· 한정 수량 (LQ)</li> <li>· Excepted quantities (EQ)</li> </ul>	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<ul style="list-style-type: none"> <li>· 운송 구분</li> <li>· 터널 제한 코드</li> </ul>	2 D/E
<ul style="list-style-type: none"> <li>· IMDG</li> <li>· Limited quantities (LQ)</li> <li>· Excepted quantities (EQ)</li> </ul>	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<ul style="list-style-type: none"> <li>· UN "모범 규제":</li> </ul>	UN2619, BENZYLDIMETHYLAMINE, 8 (3), II

### 15 법적 규제현황

· 해당 순물질 또는 혼합물에 대한 안전, 보건 및 환경 규제/법률

· Korean Existing Chemical Inventory	
103-83-3 benzylidimethylamine	KE-11221

(8 쪽에계속)

# 안전지침서

## 제31조의 1907/2006/EC에 따라

기압점: 2015.05.07

개정: 2015.05.07

**제품명: (BDMA) N-Benzylidimethylamine**

(7 쪽부터계속)

**· GHS 라벨 요소**

본 화학물질은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.

**· 위험 도표**



GHS02    GHS05    GHS07

**· 표지어 위험**

**· 상표상에명확히위험성이표시된성분:**

benzylidimethylamine

**· 위험 문구**

인화성 액체 및 증기

삼키거나 피부에 접촉하거나 흡입하면 유해함.

피부에 심한 화상과 눈에 손상을 일으킴

장기적인 영향에 의해 수생생물에게 유해함

**· 주의 문구**

열·스파크·화염·고열로부터 멀리하시오 - 금연

피부(또는 머리카락)에 묻으면 오염된 모든 의복은 벗거나제거하시오. 피부를 물로 씻으시오/샤워하시오.

눈에 묻으면 몇 분간 물로 조심해서 씻으시오. 가능하면콘택트렌즈를 제거하시오. 계속 씻으시오.

즉시 독성물질센터/병원 연락 필요.

잠금장치가 있는 저장장소에 저장하시오.

현지/지역/국가/국제 규정에 따라서 내용물/용기 노출

**· 화학물질 안전성 평가:** 화학물질 안전성 평가가 수행되지 않음

### 16 그 밖의 참고사항

이보고는우리지식에대한오늘날의상태에대하여평가하고있다, 하지만이보고서는생산특성에관한보증은 기술하지않았으며계약적인법률관계에기반을두고있지도않다

· **최초 작성일자:** 2015.05.07

· **개정 횟수 및 최종 개정일자:** 1 / 2015.05.07

**· 약어와 두문자어:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

인화성 액체    구분3: Flammable liquids, Hazard Category 3

급성 독성(경구)    구분4: Acute toxicity, Hazard Category 4

피부 부식성/자극성    구분1: Skin corrosion/irritation, Hazard Category 1

수생환경유해성-만성    구분3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

# Risalah Data Keselamatan Bahan

## Menurut 91/155 EC

Tarikh cetak 07.05.2015

Disemak semula pada 07.05.2015

### 1 Pengenalpastian bahan/sediaan dan syarikat

- **Pengenalan pasti produk**
- **Nama dagang:** (BDMA) N-Benzylidimethylamine
- **Nombor artikel:** 11400, 11400-25
- **Nombor CAS:**  
103-83-3
- **Nombor EC:**  
203-149-1
- **Nombor EU:**  
612-074-00-7
- **Penggunaan bahan/sediaan** Bahan kimia makmal
- **Perincian pembekal risalah data keselamatan**
- **Pengilang/Pembekal:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: sgkcck@aol.com  
www.emsdiasum.com
- **Maklumat lanjut dapat diperolehi daripada:** Product safety department
- **Nombor telefon kecemasan:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### 2 Komposisi/maklumat ramuan

- **Ciri kimia:** **Bahan**
- **Keterangan No. CAS**  
103-83-3 benzylidimethylamine
- **Nombor pengenalpastian**
- **Nombor EC:** 203-149-1
- **Nombor EU:** 612-074-00-7

### 3 Pengenalpastian bahaya

- **Pengelasan bahan atau campuran**



Nyalaan

Flam. Liq. 3      H226 Cecair dan wap mudah terbakar.



Kakisan

Skin Corr. 1B      H314 Menyebabkan lecuran kulit dan kerosakan mata yang teruk.



Acute Tox. 4      H302 Memudaratkan jika tertelan.

Acute Tox. 4      H312 Memudaratkan jika terkena kulit.

(Bersambung ke halaman 2)



# Risalah Data Keselamatan Bahan

## Menurut 91/155 EC

Tarikh cetak 07.05.2015

Disemak semula pada 07.05.2015

**Nama dagang: (BDMA) N-Benzyl dimethylamine**

(Sambungan halaman 1)

Acute Tox. 4 H332 Memudaratkan jika tersedut.

Aquatic Chronic 3 H412 Memudaratkan kepada hidupan akuatik dengan kesan kekal berpanjangan.

- **Melabelkan unsur**
- **Unsur label GHS** Bahan ini dikelaskan dan dilabelkan menurut Sistem Terharmoni Global (GHS).
- **Piktogram hazard**



GHS02    GHS05    GHS07

- **Perkataan isyarat Bahaya**
- **Komponen pelabelan yang menentukan bahaya:**  
benzyl dimethylamine
- **Pernyataan hazard**  
Cecair dan wap mudah terbakar.  
Memudaratkan jika tertelan, terkena kulit atau tersedut.  
Menyebabkan lecuran kulit dan kerosakan mata yang teruk.  
Memudaratkan kepada hidupan akuatik dengan kesan kekal berpanjangan.
- **Pernyataan langkah perlindungan**  
Jauhkan daripada haba/percikan api/nyalaan terbuka/permukaan panas - Dilarang merokok.  
**JIKA TERKENA KULIT** (atau rambut): Segera tanggalkan/buka semua pakaian yang tercemar. Basuh kulit dengan air/pancuran air.  
**JIKA TERKENA MATA:** Bilas berhati-hati dengan air selama beberapa minit. Tanggalkan kanta lekap, jika ada dan dapat dilakukan dengan mudah. Teruskan membilas.  
Segera hubungi PUSAT RACUN/doktor.  
Simpan di tempat berkunci.  
Lupuskan kandungan/bekas menurut peraturan tempatan/wilayah/kebangsaan/antarabangsa.

### 4 Langkah pertolongan cemas

- **Maklumat am:**  
Segera tanggalkan mana-mana pakaian yang terkena produk.  
Gejala keracunan boleh berlaku selepas beberapa jam, maka rawatan perubatan hendaklah diberikan sekurang-kurangnya 48 jam selepas kemalangan.
- **Jika tersedut:**  
Berikan udara bersih. Jika perlu berikan pernafasan bantuan. Pastikan pesakit dalam keadaan selesa. Rujuk doktor jika gejala berterusan.  
Jika mangsa tidak sedarkan diri, letakkan pesakit dengan stabil dalam kedudukan mengiring untuk diangkat.
- **Jika terkena kulit:** Segera basuh dengan air dan sabun serta bilas bersih-bersih.
- **Jika terkena mata:**  
Bilas mata sambil membukanya di bawah air yang mengalir selama beberapa minit. Kemudian hubungi doktor.
- **Jika tertelan:**  
Segera hubungi doctor.  
Minum air yang banyak dan berikan udara bersih. Segera hubungi doktor.

### 5 Langkah memadam kebakaran

- **Agen pemadam yang sesuai:** CO<sub>2</sub>, pasir, serbuk pemadam kebakaran. Jangan gunakan air.
- **Agen pemadam yang tidak sesuai untuk tujuan keselamatan:** Air dalam pancutan penuh

(Bersambung ke halaman 3)

## Risalah Data Keselamatan Bahan Menurut 91/155 EC

Tarikh cetak 07.05.2015

Disemak semula pada 07.05.2015

**Nama dagang: (BDMA) N-Benzyl dimethylamine**

(Sambungan halaman 2)

- **Bahaya khusus yang timbul daripada bahan atau campuran** Tiada maklumat lanjut yang diperolehi.
- **Kelengkapan perlindungan:** Peralatan perlindungan pernafasan mulut.

### 6 Langkah menangani pelepasan yang tidak disengajakan

- **Langkah perlindungan diri, kelengkapan pelindung dan prosedur kecemasan**  
Pakai kelengkapan perlindungan. Jauhkan mereka yang tidak dilindungi dari kawasan tercemar.
- **Langkah perlindungan alam sekitar:**  
Hubungi pihak berkuasa berkaitan jika berlaku peresapan masuk ke dalam saluran air atau sistem pembetulan. Jangan biarkannya memasuki pembentung/air permukaan atau tanah.
- **Kaedah dan bahan untuk pembendungan dan pembersihan:**  
Serap dengan bahan cecair pengikat (pasir, diatomit, pengikat asid, pengikat semesta, habuk papan)  
Gunakan agen peneutralan.  
Lupuskan bahan tercemar sebagai sisa mengikut perkara 13.  
Pastikan pengalihudaraan mencukupi.  
Jangan jirus dengan air atau agen pencuci akueus.
- **Rujukan ke bahagian lain**  
Lihat Bahagian 7 untuk maklumat pengendalian yang selamat.  
Lihat Bahagian 8 untuk maklumat kelengkapan perlindungan diri.  
Lihat Bahagian 13 untuk maklumat pelupusan.

### 7 Pengendalian dan penyimpanan

- **Langkah perlindungan untuk pengendalian selamat**  
Pastikan pengalihudaraan/ekzos yang mencukupi di tempat kerja.  
Elakkan pembentukan aerosol.
- **Maklumat kebakaran dan perlindungan daripada letupan:**  
Jauhkan dari punca pencucuhan - Dilarang merokok.  
Lindungi daripada haba.  
Lindungi daripada cas-cas elektrostatik.
- **Penyimpanan:**  
· **Keperluan yang mesti dipenuhi oleh bilik stor dan ruang simpanan.** Tiada keperluan khusus.  
· **Maklumat penyimpanan di dalam satu tempat penyimpanan yang biasa:** Tidak diperlukan.  
· **Maklumat lanjut tentang syarat penyimpanan:**  
Pastikan bekas sentiasa bertutup rapat.  
Lindungi daripada haba dan pancaran terus cahaya matahari.
- **Kegunaan akhir yang khusus** Tiada maklumat lanjut yang diperolehi.

### 8 Kawalan pendedahan/perlindungan diri

- **Maklumat tambahan tentang reka bentuk kemudahan teknikal:** Tiada maklumat lanjut, lihat perkara 7.
- **Ramuannya dengan nilai had yang memerlukan pemantauan di tempat kerja:** Tidak diperlukan.
- **Maklumat tambahan:** Senarai yang sah semasa pembuatan digunakan sebagai asas.
- **Kelengkapan perlindungan diri:**
- **Langkah perlindungan dan kebersihan am:**  
Jauhkan daripada makanan, minuman dan makanan haiwan.  
Segera tanggalkan semua pakaian yang tercemar dan kotor.  
Basuh tangan sebelum berhenti rehat dan apabila kerja selesai.  
Elakkan daripada terkena mata dan kulit.

(Bersambung ke halaman 4)

MY

## Risalah Data Keselamatan Bahan Menurut 91/155 EC

Tarikh cetak 07.05.2015

Disemak semula pada 07.05.2015

**Nama dagang: (BDMA) N-Benzyl dimethylamine**

(Sambungan halaman 3)

· **Perlindungan pernafasan:**

*Jika berlaku pendedahan sekejap atau sedikit pencemaran, gunakan alat penapis pernafasan. Jika berlaku pendedahan yang intensif atau berpanjangan, gunakan alat pernafasan perlindungan serba lengkap.*

· **Perlindungan tangan:**



Sarung tangan pelindung.

*Bahan sarung tangan hendaklah telus dan kalis terhadap produk/bahan/sediaan.*

*Oleh sebab tiada ujian yang dijalankan, maka tiada syor bagi bahan sarung tangan yang boleh diberikan untuk produk/sediaan/campuran kimia.*

*Pemilihan bahan sarung tangan berdasarkan waktu penembusan, kadar pembauran dan degradasi.*

· **Bahan sarung tangan**

*Pemilihan sarung tangan yang sesuai bukan hanya bergantung pada bahannya, tetapi juga tanda kualiti lainnya serta perbezaannya daripada satu pengeluar dengan pengeluar yang lain.*

· **Jangka masa penyerapan bahan sarung tangan**

*Waktu kemunculan yang tepat hendaklah diperoleh pengeluar sarung tangan pelindung dan hendaklah dipatuhi.*

· **Perlindungan mata:**



Gogal bertutup rapat

### 9 Ciri fizik dan kimia

· <b>Maklumat Am</b>	
· <b>Rupa:</b>	
Bentuk:	Cecair
Warna:	Kuning muda
· <b>Bau:</b>	Seperti amina
· <b>Had ambang bau:</b>	Tidak ditentukan.
· <b>Nilai pH:</b>	Tidak ditentukan.
· <b>Perubahan pada keadaan</b>	
Takat lebur/Julat lebur:	-75 °C
Takat didih/Julat didih:	176 °C
· <b>Takat kilat:</b>	54 °C
· <b>Kemudahbakaran (pepejal, gas)</b>	Tidak berkenaan
· <b>Suhu pencucuhan:</b>	
Suhu penguraian:	Tidak ditentukan.
· <b>Pencucuhan sendiri</b>	Tidak ditentukan.
· <b>Bahaya letupan:</b>	<i>Produk tidak mudah meletup. Walau bagaimanapun, pembentukan campuran udara/wap mungkin berlaku.</i>
· <b>Had letupan :</b>	
Bawah:	Tidak ditentukan.
Atas:	Tidak ditentukan.
· <b>Tekanan wap pada 20 °C:</b>	2,8 hPa

(Bersambung ke halaman 5)

# Risalah Data Keselamatan Bahan

## Menurut 91/155 EC

Tarikh cetak 07.05.2015

Disemak semula pada 07.05.2015

**Nama dagang: (BDMA) N-Benzylidimethylamine**

(Sambungan halaman 4)

· <b>Ketumpatan pada 20 °C:</b>	0,915 g/cm <sup>3</sup>
· <b>Ketumpatan relatif</b>	Tidak ditentukan.
· <b>Ketumpatan wap</b>	Tidak ditentukan.
· <b>Kadar penyejatan</b>	Tidak ditentukan.
· <b>Keterlarutan dalam / Keterlarutcampuran dengan Air:</b>	Tidak terlarut campur atau sukar bercampur.
· <b>Pekali pengasingan (n-oktanol/air)</b>	Tidak ditentukan.
· <b>Kelikatan:</b>	
<b>Dinamik:</b>	Tidak ditentukan.
<b>Kinematik:</b>	Tidak ditentukan.
<b>Pelarut organik:</b>	0,0 %
· <b>Maklumat lain</b>	Tiada maklumat lanjut yang diperoleh.

### 10 Kestabilan dan kereaktifan

- **Penguraian terma/keadaan yang perlu dielakkan:** Tiada penguraian jika digunakan mengikut spesifikasi.
- **Bahan tidak serasi:** Tiada maklumat lanjut yang diperoleh.
- **Produk penguraian yang berbahaya:** Tiada produk penguraian berbahaya yang diketahui.

### 11 Maklumat toksikologi

- **Ketoksikan akut:**

- **Nilai LD/LC50 yang berkaitan untuk pengelasan:**

#### 103-83-3 benzyldimethylamine

Oral	LD50	265 mg/kg (rat)
Derma	LD50	1660 mg/kg (rabbit)
Tersedut	LC50/4 h	2,06 mg/l (rat)

- **Kesan kerengsaan primer:**
- **pada kulit:** Kesan kaustik yang kuat pada kulit dan mukus membran.
- **pada mata:** Kesan kaustik yang kuat.
- **Pemekaan:** Tiada kesan pemekaan yang diketahui.
- **Maklumat tambahan toksikologi:**  
Tertelan akan menyebabkan kesan kaustik yang kuat pada mulut dan tekak serta bahaya perliangan esofagus dan perut.

### 12 Maklumat ekologi

- **Ketoksikan akuatik:** Tiada maklumat lanjut yang diperoleh.
- **Keterusan dan keterdegradasikan:** Tiada maklumat lanjut yang diperoleh.
- **Potensi bioakumulatif:** Tiada maklumat lanjut yang diperoleh.
- **Kesan ekotoksik:**
- **Catatan:** Memudaratkan kepada ikan.
- **Maklumat tambahan ekologi:**
- **Nota am:**  
Bahaya air kelas 2 (Peraturan Jerman) (Penilaian mengikut senarai): berbahaya kepada air  
Jangan biarkan produk memasuki air tanah, saluran air atau sistem pembetungan.  
Tidak boleh memasuki air pembetungan atau parit saluran tanpa dicairkan atau dineutralkan.

(Bersambung ke halaman 6)

## Risalah Data Keselamatan Bahan Menurut 91/155 EC

Tarikh cetak 07.05.2015

Disemak semula pada 07.05.2015

**Nama dagang: (BDMA) N-Benzyl dimethylamine**





(Sambungan halaman 5)

Bahaya kepada air minuman walaupun amat sedikit produk memasuki tanah.  
Memudaratkan organisma akuatik

### 13 Maklumat pelupusan

- **Kaedah rawatan sisa**
- **Syor:**  
Tidak boleh dilupuskan bersama dengan sampah isi rumah. Jangan biarkan produk memasuki sistem pembentukan.
- **Pembungkusan yang tidak bersih:**
- **Syor:** Pelupusan mestilah dijalankan menurut peraturan rasmi

### 14 Maklumat pengangkutan

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>· <b>Nombor UN</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>   | <p style="text-align: center;">UN2619</p>   |
| <ul style="list-style-type: none"> <li>· <b>Nama penghantaran UN yang betul</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG, IATA</b></li> </ul>                            | <p style="text-align: center;">2619 BENZYL DIMETHYLAMINE<br/>BENZYL DIMETHYLAMINE</p>   |
| <ul style="list-style-type: none"> <li>· <b>pengangkutan kelas bahaya</b></li> <li>· <b>ADR</b></li> </ul>   | <div style="display: flex; justify-content: space-around; align-items: center;">   </div> |
| <ul style="list-style-type: none"> <li>· <b>Kelas</b></li> <li>· <b>Label</b></li> </ul>   | <p style="text-align: center;">8 Bahan mengakis.<br/>8+3</p>  |
| <ul style="list-style-type: none"> <li>· <b>IMDG, IATA</b></li> </ul>  | <div style="display: flex; justify-content: space-around; align-items: center;">   </div> |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>   | <p style="text-align: center;">8 Bahan mengakis.<br/>8 + 3</p>  |
| <ul style="list-style-type: none"> <li>· <b>Kumpulan pembungkusan</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>   | <p style="text-align: center;">II</p>   |
| <ul style="list-style-type: none"> <li>· <b>Hazard persekitaran:</b></li> <li>· <b>Bahan cemar marin:</b></li> </ul>   | <p style="text-align: center;">Tidak</p>  |
| <ul style="list-style-type: none"> <li>· <b>Langkah perlindungan khas untuk pengguna</b></li> <li>· <b>Kod bahaya (Kemler):</b></li> <li>· <b>Nombor EMS:</b></li> </ul> | <p style="text-align: center;">Amaran: Bahan mengakis.<br/>83<br/>F-E, S-C</p>  |
| <ul style="list-style-type: none"> <li>· <b>Pengangkutan dalam pukal menurut Lampiran II MARPOL73/78 dan Kod IBC</b></li> </ul>  | <p style="text-align: center;">Tidak berkenaan</p>  |

(Bersambung ke halaman 7)

MY

## Risalah Data Keselamatan Bahan Menurut 91/155 EC

Tarikh cetak 07.05.2015

Disemak semula pada 07.05.2015

**Nama dagang: (BDMA) N-Benzylidimethylamine**

(Sambungan halaman 6)

· **Pengangkutan/Maklumat Tambahan:**

· **ADR**

· **Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **IMDG**

· **Limited quantities (LQ)**

· **Excepted quantities (EQ)**

IL

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **"Peraturan Model" UN:**

UN2619, BENZYLDIMETHYLAMINE, 8 (3), II

### 15 Maklumat Pengawalan

· **Unsur label GHS** Bahan ini dikelaskan dan dilabelkan menurut Sistem Terharmonisasi Global (GHS).

· **Piktogram hazard**



GHS02

GHS05

GHS07

· **Perkataan isyarat Bahaya**

· **Komponen pelabelan yang menentukan bahaya:**

benzylidimethylamine

· **Pernyataan hazard**

Cecair dan wap mudah terbakar.

Memudaratkan jika tertelan, terkena kulit atau tersedut.

Menyebabkan lecuran kulit dan kerosakan mata yang teruk.

Memudaratkan kepada hidupan akuatik dengan kesan kekal berpanjangan.

· **Pernyataan langkah perlindungan**

Jauhkan daripada haba/percikan api/nyalaan terbuka/permukaan panas - Dilarang merokok.

**JIKA TERKENA KULIT (atau rambut):** Segera tanggalkan/buka semua pakaian yang tercemar. Basuh kulit dengan air/pancuran air.

**JIKA TERKENA MATA:** Bilas berhati-hati dengan air selama beberapa minit. Tanggalkan kanta lekap, jika ada dan dapat dilakukan dengan mudah. Teruskan membilas.

Segera hubungi PUSAT RACUN/doktor.

Simpan di tempat berkunci.

Lupuskan kandungan/bekas menurut peraturan tempatan/wilayah/kebangsaan/antarabangsa.

### 16 Maklumat lain

Maklumat ini berdasarkan maklumat kami yang terkini. Walau bagaimanapun, ini tidak akan menjadi jaminan bagi apa-apa ciri produk yang khusus dan tidak akan mewujudkan hubungan kontraktual yang sah dari segi undang-undang.

· **Singkatan dan akronim:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

(Bersambung ke halaman 8)

**Risalah Data Keselamatan Bahan**  
**Menurut 91/155 EC**

Tarikh cetak 07.05.2015

Disemak semula pada 07.05.2015

**Nama dagang: (BDMA) N-Benzylidimethylamine**

(Sambungan halaman 7)

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*Flam. Liq. 3: Flammable liquids, Hazard Category 3*

*Acute Tox. 4: Acute toxicity, Hazard Category 4*

*Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B*

*Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3*

MY



# Sikkerhetsdatablad

iflg. forordning (EF) nr. 1907/2006, Artikkel 31

Trykkdato: 07.05.2015

revidert den: 07.05.2015

## Avsnitt 1: Identifikasjon av kjemikaliyet og ansvarlig firma

- **1.1 Produktidentifikator**
- **Handelsnavn:** (BDMA) N-Benzylidimethylamine
- **Artikkelnummer:** 11400, 11400-25
- **CAS-nummer:**  
103-83-3
- **EC nummer:**  
203-149-1
- **EF-nummer:**  
612-074-00-7
- **1.2 Relevante, identifiserte anvendelser av stoffet eller stoffblandingen, samt anvendelser som frarådes**  
Ikke noe mer relevant informasjon tilgjengelig.
- **Bruk av stoffet/ tilberedning** laboratoriekjemikalier
- **1.3 Enkeltopplysninger om foretaket som leverer sikkerhetsdatabladet**
- **Produsent/leverandør:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: sgkcck@aol.com  
www.emsdiasum.com
- **Avdeling for nærmere informasjon:** Product safety department
- **1.4 Nødnummer:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

## Avsnitt 2: Viktigste faremomenter

- **2.1 Klassifisering av stoff eller stoffblanding**
- **Klassifisering i henhold til EC-forskrift nr.1272/2008**



Flam. Liq. 3      H226 Brannfarlig væske og damp.



Skin Corr. 1B      H314 Gir alvorlige etseskader på hud og øyne.



Acute Tox. 4      H302 Farlig ved svelging.

Acute Tox. 4      H312 Farlig ved hudkontakt.

Acute Tox. 4      H332 Farlig ved innånding.

Aquatic Chronic 3 H412 Skadelig, med langtidsvirkning, for liv i vann.

- **2.2 Etikettelementer**
- **Merking iht. bestemmelse (EC) Nr. 1272/2008**  
Substansen er klassifisert og merket i henhold til CLP-forordningen.

(fortsatt på side 2)

NO

# Sikkerhetsdatablad

iflg. forordning (EF) nr. 1907/2006, Artikkel 31

Trykkdato: 07.05.2015

revidert den: 07.05.2015

**Handelsnavn: (BDMA) N-Benzyl dimethylamine**

(fortsatt fra side 1)

· **Farepiktogrammer**



GHS02    GHS05    GHS07

· **Signalord Fare**

· **Farebestemmende komponenter ved etikettering:**

4-aminobifenyl, salter

· **Advarselsetninger**

- H226                      Brannfarlig væske og damp.  
 H302+H312+H332      Farlig ved svelging, hudkontakt eller innånding.  
 H314                      Gir alvorlige etseskader på hud og øyne.  
 H412                      Skadelig, med langtidsvirkning, for liv i vann.

· **Sikkerhetssetninger**

- P210                      Holdes borte fra varme, varme overflater, gnister, åpen flamme og andre antenningskilder. Røyking forbudt.  
 P303+P361+P353      VED HUDKONTAKT (eller håret): Tilsølte klær må fjernes straks. Skyll/dusj huden med vann.  
 P305+P351+P338      VED KONTAKT MED ØYNENE: Skyll forsiktig med vann i flere minutter. Fjern eventuelle kontaktlinser dersom dette enkelt lar seg gjøre. Fortsett skyllingen.  
 P310                      Kontakt umiddelbart et GIFTINFORMASJONSSENTER/en lege.  
 P405                      Oppbevares innelåst.  
 P501                      Innholdet / emballasjen skal avhendes i henhold til de lokale / regionale / nasjonale / internasjonale forskrifter.

· **2.3 Andre farer**

· **Resultater av PBT- og vPvB-vurdering**

- **PBT:** Ikke brukbar.  
 · **vPvB:** Ikke brukbar.

## Avsnitt 3: Stoffblandingers sammensetning og stoffenes klassifisering

· **3.1 Kjemisk karakterisering: Substanser**

- **CAS-nr. betegnelse**  
 103-83-3 4-aminobifenyl, salter  
 · **Identifikasjonsnummer(numre)**  
 · **EC nummer:** 203-149-1  
 · **EF-nummer:** 612-074-00-7

## Avsnitt 4: Førstehjelpstiltak

· **4.1 Beskrivelse av førstehjelpstiltak**

· **Generelle informasjoner:**

Klær som er tilsølt med produktet må fjernes omgående.

Forgiftningssymptomer kan også oppstå etter mange timer. Personer må derfor ha legetilsyn i minst 48 timer etter en ulykke.

· **Etter innånding:**

Frisklufttilførsel, eventuelt kunstig åndedrett, varme. Ved fortsatt besvær må lege tilkalles.

Ved bevisstløshet lagring og transport i stabil sidestilling.

· **Etter hudkontakt:** Vask straks med vann og sepe og skyll godt etterpå.

· **Etter øyekontakt:** Skyll øynene med åpne øyenlokk i flere minutter under rennende vann og tilkall lege.

(fortsatt på side 3)

# Sikkerhetsdatablad

## iflg. forordning (EF) nr. 1907/2006, Artikkel 31

Trykkdato: 07.05.2015

revidert den: 07.05.2015

**Handelsnavn: (BDMA) N-Benzyl dimethylamine**

(fortsatt fra side 2)

- **Etter svelging:**  
Søk lege straks.  
Drikk rikelig med vann og sørg for frisk luft. Tilkall lege omgående.
- **4.2 De viktigste symptomer og effekter, både akutt og forsinket** Ikke noe mer relevant informasjon tilgjengelig.
- **4.3 Indikasjon på omgående medisinsk hjelp eller påkrevet spesialbehandling**  
Ikke noe mer relevant informasjon tilgjengelig.

### Avsnitt 5: Tiltak ved brannslukning

- **5.1 Slökkemiddel**
- **Egnede slukningsmidler:** CO<sub>2</sub>, sand, slukningspulver. Bruk ikke vann.
- **Av sikkerhetsgrunner ikke egnede slukningsmidler:** Vann i full stråle
- **5.2 Spesielle farer som oppstår pga. substanser eller blandinger** Ikke noe mer relevant informasjon tilgjengelig.
- **5.3 Informasjon vedr. brannbekjempelse**
- **Spesielt verneutstyr:** Ta på egnet åndedrettsbeskyttelse.

### Avsnitt 6: Tiltak ved utilsiktet utslipp

- **6.1 Personlige vernetiltak, verneutstyr og prosedyrer ved nødsituasjoner**  
Ta på beskyttelsesdrakt. Hold ubeskyttede personer borte.
- **6.2 Miljøverntiltak:**  
Ansvarlige myndigheter varsles hvis produktet er kommet ned i vassdrag eller kloakk.  
La ikke produktet komme ned i kloakk/overflatevann/grunnvann.
- **6.3 Metoder og materiale for oppsamling og opprensing:**  
Ta opp stoffet med væskebindende materiale (sand, kiselgur, syrebindemiddel, universalbindemiddel, sagflis).  
Bruk nøytraliseringsmiddel.  
Bortskaff kontaminert materiale som avfall i.h.t. punkt 13.  
Sørg for tilstrekkelig ventilasjon.  
Skyll ikke bort med vann eller med vannholdige rengjøringsmidler.
- **6.4 Henvisning til andre avsnitt**  
Informasjoner om sikker håndtering, se kapittel 7.  
Informasjoner om personlig beskyttelsesutstyr, se kapittel 8.  
Informasjoner om bortskaffelse/deponering, se kapittel 13.

### Avsnitt 7: Håndtering og oppbevaring

- **7.1 Forholdsregler for sikker håndtering**  
Sørg for god ventilasjon/avsugning på arbeidsplassen.  
Unngå aerosoldannelse.
- **Henvisninger om brann- og eksplosjonsvern:**  
Bruk av åpen ild forbudt - røyking forbudt.  
Beskytt mot varme.  
Gjør tiltak mot elektrostatisk oppladning.
- **7.2 Vilkår for sikker lagring, inkl. eventuelle inkompatibiliteter**
- **Lagring:**
- **Krav til lagerrom og beholdere:** Ingen spesielle krav.
- **Informasjoner om felles lagring:** Ikke nødvendig.
- **Ytterligere informasjoner om lagervilkårene:**  
Hold beholderne tett tilsluttet.  
Beskyttes mot varme og direkte solpåvirkning.

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# Sikkerhetsdatablad

## iflg. forordning (EF) nr. 1907/2006, Artikkel 31

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(fortsatt fra side 3)

· **7.3 Spesiell sluttbruk** Ikke noe mer relevant informasjon tilgjengelig.

### Avsnitt 8: Eksponeringskontroll og personlig verneutstyr

· **Ytterligere informasjon om utforming av tekniske anlegg:** Ingen ytterligere informasjon, se punkt 7.

· **8.1 Kontrollparametere**

· **Komponenter med grenseverdier for arbeidsplass som må overholdes:** Bortfaller.

· **Ytterligere informasjon:** Basis: listene som var gyldige ved oppstillingen.

· **8.2 Begrensning og kontroll av eksponering**

· **Personlig verneutstyr:**

· **Generelle verne- og hygienetiltak:**

Holdes adskilt fra næringsmidler, drikkevarer og fôrstoffer.

Fjern omgående forurensede, gjennomvætede klær.

Vask hendene før arbeidspauser og ved arbeidets slutt.

Unngå berøring med øyne og hud.

· **Åndedrettsvern:**

Ved korttidig eller liten belastning åndedrettsfilterapparat; ved intensiv eller lengre utsetting: bruk omluft-uavhengig åndedrettsbeskyttelsesapparat.

· **Håndvern:**



Beskyttelseshansker

Hanskematerialet må være ugjennomtrengelig og bestandig overfor produktet /stoffet /blandingen.

På grunn av manglende tester kan det ikke gis noen anbefaling om hanskemateriale for produktet /tilberedningsprosessen/kjemikalieblanding.

Hanskematerialet velges under hensyntagen til holdbarhetstid, gjennomtrengelighet og degradering.

· **hanskemateriale**

Valget av egnet hanske er ikke bare avhengig av materiale, men også av andre kvalitetskjenner og er forskjellig fra produsent til produsent.

· **gjennomtrengingstid for hanskemateriale**

Den nøyaktige holdbarhetstiden må bringes på det rene hos hanskeprodusenten og overholdes.

· **Øyevern:**



Tettsittende vernebrille

### Avsnitt 9: Fysiske og kjemiske egenskaper

· **9.1 Informasjon om grunnleggende fysiske og kjemiske egenskaper**

· **alminnelige opplysninger**

· **Utseende:**

· **Form:** Væske

· **Farge:** Lysegul

· **Lukt:** Aminlignende

· **Luktterskel:** Ikke bestemt.

· **pH-verdi:** Ikke bestemt.

(fortsatt på side 5)

**Sikkerhetsdatablad**  
iflg. forordning (EF) nr. 1907/2006, Artikkel 31

Trykkdato: 07.05.2015

revidert den: 07.05.2015

**Handelsnavn: (BDMA) N-Benzylidimethylamine**

(fortsatt fra side 4)

· <b>Tilstandsendring</b>	
<b>Smeltepunkt/smelteområde:</b>	-75 °C
<b>Kokepunkt/kokeområde:</b>	176 °C
· <b>Flammepunkt:</b>	54 °C
· <b>Antennelighet (fast, gassformet):</b>	Ikke brukbar.
· <b>Antennelsestemperatur:</b>	
<b>Spaltningstemperatur:</b>	Ikke bestemt.
· <b>Selvantennelighet:</b>	Ikke bestemt.
· <b>Eksplisjonsfare:</b>	Produktet er ikke eksplisjonsfarlig. Dannelse av eksplisjonsfarlige damp-/luftblandinger er dog mulig.
· <b>Eksplisjonsgrenser:</b>	
<b>Nedre:</b>	Ikke bestemt.
<b>Øvre</b>	Ikke bestemt.
· <b>Damptrykk ved 20 °C:</b>	2,8 hPa
· <b>Tetthet ved 20 °C:</b>	0,915 g/cm <sup>3</sup>
· <b>relativt tetthet</b>	Ikke bestemt.
· <b>damptetthet</b>	Ikke bestemt.
· <b>fordampningshastighet</b>	Ikke bestemt.
· <b>Løslighet i / blandbarhet med vann:</b>	Ikke, hhv. lite blandbar.
· <b>Fordelingskoeffisient (n-oktanol/vann):</b>	Ikke bestemt.
· <b>Viskositet:</b>	
<b>Dynamisk:</b>	Ikke bestemt.
<b>Kinematisk:</b>	Ikke bestemt.
· <b>Løsningsmiddelandel:</b>	
<b>Organiske løsningsmidler:</b>	0,0 %
<b>VOC (EF)</b>	0,00 %
· <b>9.2 Annen informasjon</b>	Ikke noe mer relevant informasjon tilgjengelig.

### Avsnitt 10: Stabilitet og reaktivitet

- **10.1 Reaktivitet**
- **10.2 Kjemisk stabilitet**
- **Termisk spaltning / vilkår som må unngås:** Ingen spaltning ved formålsriktig bruk.
- **10.3 Mulighet for farlige reaksjoner** Det kjennes ingen farlige reaksjoner.
- **10.4 Forhold som bør unngås** Ikke noe mer relevant informasjon tilgjengelig.
- **10.5 Inkompatible materialer:** Ikke noe mer relevant informasjon tilgjengelig.
- **10.6 Farlige nedbrytningsprodukter:** Ingen farlige spaltningprodukt kjente.

NO

(fortsatt på side 6)

# Sikkerhetsdatablad

iflg. forordning (EF) nr. 1907/2006, Artikkel 31

Trykkdato: 07.05.2015

revidert den: 07.05.2015

Handelsnavn: (BDMA) N-Benzyl dimethylamine

(fortsatt fra side 5)

## Avsnitt 11: Opplysninger om helsefare

### · 11.1 Informasjon om toksikologiske virkninger

#### · Akutt toksisitet:

#### · Klassifiseringsrelevante LD/LC50-verdier:

#### 103-83-3 4-aminobifenyl, salter

Oral	LD50	265 mg/kg (rat)
Dermal	LD50	1660 mg/kg (rabbit)
Inhalativ	LC50/4 h	2,06 mg/l (rat)

#### · Primær iritasjonsvirkning:

· **på huden:** Sterk etsende virkning på hud og slimhinner.

· **på øyet:** Sterk etsende virkning.

· **Sensibilisering:** Ingen sensibiliserende virkning kjent

#### · Ytterligere toksikologiske henvisninger:

Ved svelgning sterk etsende virkning av munnhulen og svelget, såvel som fare for perforasjon av spiserøret og magen.

## Avsnitt 12: Miljøopplysninger

### · 12.1 Giftighet

· **Akvatisk toksisitet:** Ikke noe mer relevant informasjon tilgjengelig.

· **12.2 Persistens og nedbrytbarhet** Ikke noe mer relevant informasjon tilgjengelig.

· **12.3 Bioakkumulasjonspotensial** Ikke noe mer relevant informasjon tilgjengelig.

· **12.4 Mobilitet i jord** Ikke noe mer relevant informasjon tilgjengelig.

#### · Økotoksiske virkninger:

· **Bemerkning:** skadelig for fisk

#### · Ytterligere økologiske informasjoner:

#### · Generelle informasjoner:

Vannfareklasse 2 (D) (listeklassifisering): farlig for vann

Ikke la stoffet komme ned i grunnvannet, i vassdrag eller i kloakker.

Må ikke komme ufortynnet eller unøytralisert ned i spillvann eller i avløpsgrøft.

Fare for drikkevann allerede ved utstrømning av små mengder i marken.

skadelig for vannorganismer

#### · 12.5 Resultater av PBT- og vPvB-vurdering

· **PBT:** Ikke brukbar.

· **vPvB:** Ikke brukbar.

· **12.6 Andre skadelige virkninger** Ikke noe mer relevant informasjon tilgjengelig.

## Avsnitt 13: Fjerning av kjemikalieavfall

### · 13.1 Metoder for avfallsbehandling

· **Anbefaling:** Må ikke bortskaffes sammen med husholdningsavfall. Må ikke komme ned i kloakk.

#### · Ikke rengjort emballasje:

· **Anbefaling:** Deponering i henhold til myndighetenes forskrifter.

NO

(fortsatt på side 7)

**Sikkerhetsdatablad**  
iflg. forordning (EF) nr. 1907/2006, Artikkel 31



Trykkdato: 07.05.2015

revidert den: 07.05.2015

Handelsnavn: (BDMA) N-Benzylidimethylamine

(fortsatt fra side 6)

### Avsnitt 14: Opplysninger om transport

· 14.1 UN-nummer: · ADR, IMDG, IATA	UN2619
· 14.2 Korrekt UN-forsendelsesbetegnelse · ADR · IMDG, IATA	2619 BENZYLDIMETYLAMIN BENZYLDIMETHYLAMINE
· 14.3 transport fareklasser · ADR	
	
· klasse · Fareseddel	8 Etsende stoffer 8+3
· IMDG, IATA	
	
· Class · Label	8 Etsende stoffer 8 + 3
· 14.4 Emballasjegruppe: · ADR, IMDG, IATA	II
· 14.5 Miljøfarer: · Marine pollutant:	Nei
· 14.6 Særskilte forholdsregler for bruker · Kemler-tall: · EMS-nummer:	Advarsel: Etsende stoffer 83 F-E,S-C
· 14.7 Transport i bulk iht. annekse II til MARPOL 73/78 og til IBC-koden	Ikke brukbar.
· Transport/ytterligere informasjoner:	
· ADR · Begrenset mengde (LQ) · Unntatte mengder (EQ)	1L Kode: E2 Maksimal nettovekt per inneremballasje: 30 ml Maksimal nettovekt per ytteremballasje: 500 ml
· Transportkategori · Tunnel restriksjonskode	2 D/E
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

(fortsatt på side 8)

NO

**Sikkerhetsdatablad**  
iflg. forordning (EF) nr. 1907/2006, Artikkel 31

Trykkdato: 07.05.2015

revidert den: 07.05.2015

**Handelsnavn: (BDMA) N-Benzyl dimethylamine**

(fortsatt fra side 7)

· UN "Model Regulation":

UN2619, BENZYLDIMETYLAMIN, 8 (3), II

### Avsnitt 15: Opplysninger om lover og forskrifter

- **15.1 Helse-, sikkerhets- og miljøforskrifter/lovgivning som gjelder spesielt for stoffet eller stoffblandingen**  
Ikke noe mer relevant informasjon tilgjengelig.
- **15.2 Kjemisk sikkerhetsvurdering:** En kjemisk sikkerhetsvurdering er ikke utført.

### Avsnitt 16: Andre opplysninger av betydning for helse, miljø og sikkerhet

Opplysningene er basert på vårt kjennskap i dag. De utgjør dog ingen forsikring om produktens egenskaper og er ikke grunnlag for noe kontraktmessig rettsforhold.

· **Forkortelser og akronymer:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

NO



**Ficha de dados de segurança**  
**Em conformidade com 1907/2006/CE, Artigo 31.º**

data da impressão 07.05.2015

Revisão: 07.05.2015

### SECÇÃO 1: Identificação da substância/mistura e da sociedade/empresa

- **1.1 Identificador do produto**
- **Nome comercial:** (BDMA) N-Benzyl dimethylamine
- **Código do produto:** 11400, 11400-25
- **Nº CAS:**  
103-83-3
- **Número CE:**  
203-149-1
- **Número de índice:**  
612-074-00-7
- **1.2 Utilizações identificadas relevantes da substância ou mistura e utilizações desaconselhadas**  
Não existe mais nenhuma informação relevante disponível.
- **Utilização da substância / da preparação** Químicos de laboratório
- **1.3 Identificação do fornecedor da ficha de dados de segurança**
- **Fabricante/fornecedor:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: sgkcck@aol.com  
www.emsdiasum.com
- **Entidade para obtenção de informações adicionais:** Product safety department
- **1.4 Número de telefone de emergência:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### SECÇÃO 2: Identificação dos perigos

- **2.1 Classificação da substância ou mistura**
- **Classificação em conformidade com o Regulamento (CE) n.º 1272/2008**



GHS02 chama

Flam. Liq. 3      H226 Líquido e vapor inflamáveis.



GHS05 corrosão

Skin Corr. 1B      H314 Provoca queimaduras na pele e lesões oculares graves.



GHS07

Acute Tox. 4      H302 Nocivo por ingestão.

Acute Tox. 4      H312 Nocivo em contacto com a pele.

Acute Tox. 4      H332 Nocivo por inalação.

Aquatic Chronic 3 H412 Nocivo para os organismos aquáticos com efeitos duradouros.

- **2.2 Elementos do rótulo**
- **Rotulagem em conformidade com o Regulamento (CE) n.º 1272/2008**  
A substância classificou-se e está etiquetado em conformidade com o regulamento CLP.

(continuação na página 2)

# Ficha de dados de segurança

Em conformidade com 1907/2006/CE, Artigo 31.º

data da impressão 07.05.2015

Revisão: 07.05.2015

Nome comercial: (BDMA) N-Benzyl dimethylamine

(continuação da página 1)

· **Pictogramas de perigo**

GHS02 GHS05 GHS07

· **Palavra-sinal Perigo**· **Componentes determinantes para os perigos constantes do rótulo:**

benzildimetilamina

· **Frases de perigo**

- H226 Líquido e vapor inflamáveis.  
 H302+H312+H332 Nocivo por ingestão, contacto com a pele ou inalação.  
 H314 Provoca queimaduras na pele e lesões oculares graves.  
 H412 Nocivo para os organismos aquáticos com efeitos duradouros.

· **Frases de prudência**

- P210 Manter afastado do calor/faísca/chama aberta/superfícies quentes. - Não fumar.  
 P303+P361+P353 SE ENTRAR EM CONTACTO COM A PELE (ou o cabelo): despir/retirar imediatamente toda a roupa contaminada. Enxaguar a pele com água/tomar um duche.  
 P305+P351+P338 SE ENTRAR EM CONTACTO COM OS OLHOS: enxaguar cuidadosamente com água durante vários minutos. Se usar lentes de contacto, retire-as, se tal lhe for possível. Continuar a enxaguar.  
 P310 Contacte imediatamente um CENTRO DE INFORMAÇÃO ANTIVENENOS/médico.  
 P405 Armazenar em local fechado à chave.  
 P501 Eliminar o conteúdo/recipiente de acordo com a legislação local/regional/nacional/internacional.

· **2.3 Outros perigos**· **Resultados da avaliação PBT e mPmB**

- **PBT:** Não aplicável.  
 · **mPmB:** Não aplicável.

## SECÇÃO 3: Composição/informação sobre os componentes

· **3.1 Caracterização química: Substâncias**· **Designação CAS n.º**

103-83-3 benzildimetilamina

· **Número(s) de identificação**· **Número CE:** 203-149-1· **Número de índice:** 612-074-00-7

## SECÇÃO 4: Primeiros socorros

· **4.1 Descrição das medidas de primeiros socorros**· **Indicações gerais:**

O vestuário contaminado com substâncias perigosas deve ser imediatamente removido.

Os sintomas de envenenamento podem surgir apenas após várias horas, por isso é necessária vigilância médica pelo menos 48 horas após o acidente.

· **Em caso de inalação:**

Remover a vítima para um local arejado. Se necessário administrar respiração artificial. Manter a vítima aquecida. Se os sintomas persistirem, consultar o médico.

Se a vítima estiver inconsciente, posicioná-la e transportá-la com estabilidade, deitada lateralmente.

· **Em caso de contacto com a pele:** Lavar imediatamente com água e sabão e enxaguar abundantemente.

(continuação na página 3)

# Ficha de dados de segurança

## Em conformidade com 1907/2006/CE, Artigo 31.º

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**Nome comercial:** (BDMA) N-Benzyl dimethylamine

(continuação da página 2)

- **Em caso de contacto com os olhos:**  
Enxaguar os olhos durante alguns minutos sob água corrente, mantendo as pálpebras abertas, e consultar o médico.
- **Em caso de ingestão:**  
Consultar imediatamente o médico  
Beber bastante água e respirar ar fresco. Consultar imediatamente um médico.
- **4.2 Sintomas e efeitos mais importantes, tanto agudos como retardados**  
Não existe mais nenhuma informação relevante disponível.
- **4.3 Indicações sobre cuidados médicos urgentes e tratamentos especiais necessários**  
Não existe mais nenhuma informação relevante disponível.

### SECÇÃO 5: Medidas de combate a incêndios

- **5.1 Meios de extinção**
- **Meios adequados de extinção:** CO<sub>2</sub>, areia, pó extintor. Não usar água.
- **Meios de extinção que não devam ser utilizados por razões de segurança:** Água em jacto
- **5.2 Perigos especiais decorrentes da substância ou mistura**  
Não existe mais nenhuma informação relevante disponível.
- **5.3 Recomendações para o pessoal de combate a incêndios**
- **Equipamento especial de protecção:** Colocar máscara de respiração.

### SECÇÃO 6: Medidas a tomar em caso de fugas acidentais

- **6.1 Precauções individuais, equipamento de protecção e procedimentos de emergência**  
Usar equipamento de protecção. Manter as pessoas desprotegidas afastadas.
- **6.2 Precauções a nível ambiental:**  
Em caso de infiltrações nos leitos de água ou na canalização, comunicar aos serviços públicos competentes.  
Evitar que penetre na canalização / águas superficiais / águas subterrâneas.
- **6.3 Métodos e materiais de confinamento e limpeza:**  
Recolher com produtos que absorvam líquidos (areia, seixos, absorventes universais, serradura ).  
Aplicar um agente de neutralização.  
Eliminar residualmente as substâncias contaminadas como um resíduo segundo o Ponto 13.  
Assegurar uma ventilação adequada.  
Não limpar com água ou produtos de limpeza aquosos.
- **6.4 Remissão para outras secções**  
Para informações sobre uma manipulação segura, ver o capítulo 7.  
Para informações referentes ao equipamento de protecção individual, ver o capítulo 8.  
Para informações referentes à eliminação residual, ver o capítulo 13.

### SECÇÃO 7: Manuseamento e armazenagem

- **7.1 Precauções para um manuseamento seguro**  
Assegurar uma boa ventilação / exaustão no local de trabalho.  
Evitar a formação de aerossóis.
- **Precauções para prevenir incêndios e explosões:**  
Manter afastado de fontes de ignição - não fumar.  
Proteger do calor.  
Proteger contra descargas electrostáticas.
- **7.2 Condições de armazenagem segura, incluindo eventuais incompatibilidades**
- **Armazenagem:**
- **Requisitos para espaços ou contentores para armazenagem:** Sem requisitos especiais.

(continuação na página 4)

# Ficha de dados de segurança

## Em conformidade com 1907/2006/CE, Artigo 31.º

data da impressão 07.05.2015

Revisão: 07.05.2015

**Nome comercial:** (BDMA) *N*-Benzyldimethylamine

( continuação da página 3 )

- **Avisos para armazenagem conjunta:** Não necessário.
- **Outros avisos sobre as condições de armazenagem:**  
Manter o recipiente hermeticamente fechado.  
Proteger do calor e da radiação directa do sol.
- **7.3 Utilizações finais específicas** Não existe mais nenhuma informação relevante disponível.

### SECÇÃO 8: Controlo da exposição/protecção individual

- **Indicações adicionais para concepção de instalações técnicas:** Não existem outras informações, ver ponto 7.
- **8.1 Parâmetros de controlo**
- **Componentes cujo valor do limite de exposição no local de trabalho deve ser monitorizado:** Não aplicável.
- **Indicações adicionais:** Foram utilizadas como base as listas válidas à data da elaboração.
- **8.2 Controlo da exposição**
- **Equipamento de protecção individual:**
- **Medidas gerais de protecção e higiene:**  
Manter afastado de alimentos, bebidas e forragens.  
Despir imediatamente a roupa contaminada e embebida.  
Lavar as mãos antes das pausas e no fim do trabalho.  
Evitar o contacto com os olhos e com a pele.
- **Protecção respiratória:**  
Utilizar uma máscara respiratória se a exposição for reduzida ou durante um curto espaço de tempo; se esta for mais prolongada ou mais intensa, utilizar uma máscara respiratória independente do ar ambiente.
- **Protecção das mãos:**



Luvas de protecção

- O material das luvas tem de ser impermeável e resistente ao produto / à substância / preparação.  
Uma vez que não foram realizados testes nesta área, não podemos recomendar um determinado tipo de material para as luvas que seja adequado para o produto / a preparação / a mistura de químicos.  
Escolher o material das luvas tendo em consideração a durabilidade, a permeabilidade e a degradação.
- **Material das luvas**  
A escolha das luvas mais adequadas não depende apenas do material, mas também de outras características qualitativas e varia de fabricante para fabricante.
  - **Tempo de penetração no material das luvas**  
Deve informar-se sobre a validade exacta das suas luvas junto do fabricante e respeitá-la.
  - **Protecção dos olhos:**



Óculos de protecção totalmente fechados

### SECÇÃO 9: Propriedades físicas e químicas

- **9.1 Informações sobre propriedades físicas e químicas de base**
- **Informações gerais**
- **Aspecto:**
- **Forma:** Líquido
- **Cor:** Amarelo-claro

( continuação na página 5 )

**Ficha de dados de segurança**  
**Em conformidade com 1907/2006/CE, Artigo 31.º**

data da impressão 07.05.2015

Revisão: 07.05.2015

Nome comercial: (BDMA) N-Benzyl dimethylamine

(continuação da página 4)

· <b>Odor:</b>	aminado
· <b>Limiar olfactivo:</b>	Não classificado.
· <b>valor pH:</b>	Não classificado.
· <b>Mudança do estado:</b>	
<b>Ponto / intervalo de fusão:</b>	-75 °C
<b>Ponto / intervalo de ebulição:</b>	176 °C
· <b>Ponto de inflamação:</b>	54 °C
· <b>Inflamabilidade (sólido, gás):</b>	Não aplicável.
· <b>Temperatura de ignição:</b>	
<b>Temperatura de decomposição:</b>	Não classificado.
· <b>Auto-inflamabilidade:</b>	Não classificado.
· <b>Perigos de explosão:</b>	O produto não é explosivo. Contudo, é possível a formação de misturas explosivas ar/vapor.
· <b>Limites de explosão:</b>	
<b>Inferior:</b>	Não classificado.
<b>Superior:</b>	Não classificado.
· <b>Pressão de vapor em 20 °C:</b>	2,8 hPa
· <b>Densidade em 20 °C:</b>	0,915 g/cm <sup>3</sup>
· <b>Densidade relativa</b>	Não classificado.
· <b>Densidade de vapor</b>	Não classificado.
· <b>Velocidade de evaporação</b>	Não classificado.
· <b>Solubilidade em / miscibilidade com água:</b>	Pouco misturável.
· <b>Coeficiente de distribuição (n-octanol/água):</b>	Não classificado.
· <b>Viscosidade:</b>	
<b>Dinâmico:</b>	Não classificado.
<b>Cinémático:</b>	Não classificado.
· <b>Percentagem de solvente:</b>	
<b>Solventes orgânicos:</b>	0,0 %
<b>VOC (UE)</b>	0,00 %
· <b>9.2 Outras informações</b>	Não existe mais nenhuma informação relevante disponível.

## SECÇÃO 10: Estabilidade e reactividade

- **10.1 Reactividade**
- **10.2 Estabilidade química**
- **Decomposição térmica / condições a evitar:** Não existe decomposição se usado de acordo com as especificações.
- **10.3 Possibilidade de reacções perigosas** Não se conhecem reacções perigosas.
- **10.4 Condições a evitar** Não existe mais nenhuma informação relevante disponível.
- **10.5 Materiais incompatíveis:** Não existe mais nenhuma informação relevante disponível.
- **10.6 Produtos de decomposição perigosos:** Não se conhecem produtos de decomposição perigosos.

PT

(continuação na página 6)

# Ficha de dados de segurança

Em conformidade com 1907/2006/CE, Artigo 31.º

data da impressão 07.05.2015

Revisão: 07.05.2015

Nome comercial: (BDMA) N-Benzildimethylamine

(continuação da página 5)

## SECÇÃO 11: Informação toxicológica

- 11.1 Informações sobre os efeitos toxicológicos
- Toxicidade aguda:

- Valores LD/LC50 relevantes para a classificação:

### 103-83-3 benzildimetilamina

por via oral	LD50	265 mg/kg (rat)
por via dérmica	LD50	1660 mg/kg (rabbit)
por inalação	LC50/4 h	2,06 mg/l (rat)

- Efeito de irritabilidade primário:
- sobre a pele: Forte efeito corrosivo na pele e nas mucosas.
- sobre os olhos: Forte efeito corrosivo.
- sensibilização: Não são conhecidos efeitos sensibilizantes.
- Avisos adicionais de toxicologia:  
Em caso de ingestão surgem fortes efeitos corrosivos na boca e na garganta, existindo ainda o risco de perfuração do esófago e do estômago.

## SECÇÃO 12: Informação ecológica

- 12.1 Toxicidade
- Toxicidade aquática: Não existe mais nenhuma informação relevante disponível.
- 12.2 Persistência e degradabilidade Não existe mais nenhuma informação relevante disponível.
- 12.3 Potencial de bioacumulação Não existe mais nenhuma informação relevante disponível.
- 12.4 Mobilidade no solo Não existe mais nenhuma informação relevante disponível.
- Efeitos ecotóxicos:
- Observação: Nocivo para os peixes.
- Outras indicações ecológicas:
- Indicações gerais:  
Classe de perigo para a água 2 (D) (classificação pelas listas): perigoso para a água.  
Não deixar chegar às águas subterrâneas, aos cursos de água nem à canalização.  
Substâncias concentradas, ou seja não neutralizadas, não podem chegar aos esgotos nem às águas.  
Perigo de poluição da água potável mesmo se forem derramadas quantidades muito pequenas no subsolo.  
nocivo para os organismos aquáticos
- 12.5 Resultados da avaliação PBT e mPmB
- PBT: Não aplicável.
- mPmB: Não aplicável.
- 12.6 Outros efeitos adversos Não existe mais nenhuma informação relevante disponível.

## SECÇÃO 13: Considerações relativas à eliminação

- 13.1 Métodos de tratamento de resíduos
- Recomendação: Não se pode eliminar juntamente com o lixo doméstico. Não permita que chegue à canalização.
- Embalagens contaminadas:
- Recomendação: Eliminação residual conforme o regulamento dos serviços públicos.

PT

(continuação na página 7)

**Ficha de dados de segurança**  
**Em conformidade com 1907/2006/CE, Artigo 31.º**

data da impressão 07.05.2015

Revisão: 07.05.2015

Nome comercial: (BDMA) N-Benzyl dimethylamine

(continuação da página 6)

### SECÇÃO 14: Informações relativas ao transporte

- 14.1 N° UN
- ADR, IMDG, IATA

UN2619

- 14.2 Designação oficial de transporte da ONU

- ADR
- IMDG, IATA

2619 BENZILDIMETILAMINA  
BENZYL DIMETHYLAMINE

- 14.3 Classes de perigo para efeitos de transporte

- ADR



- Classe
- Rótulo

8 Matérias corrosivas  
8+3

- IMDG, IATA



- Class
- Label

8 Matérias corrosivas  
8 + 3

- 14.4 Tipo de embalagem

- ADR, IMDG, IATA

II

- 14.5 Perigos para o ambiente:

- Poluente das águas:

Não

- 14.6 Precauções especiais para o utilizador

- N° Kemler:

Atenção: Matérias corrosivas

- N° EMS:

83

F-E,S-C

- 14.7 Transporte a granel em conformidade com o

anexo II da Convenção Marpol 73/78 e o Código IBC Não aplicável.

- Transporte/outras informações:

- ADR

- Quantidades Limitadas (LQ)

1L

- Quantidades exceptuadas (EQ)

Código: E2

Quantidade líquida máxima por embalagem interior: 30 ml

Quantidade líquida máxima por embalagem exterior: 500 ml

- Categoria de transporte

2

- Código de restrição em túneis

D/E

- IMDG

- Limited quantities (LQ)

1L

- Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

(continuação na página 8)



**Ficha de dados de segurança**  
**Em conformidade com 1907/2006/CE, Artigo 31.º**

data da impressão 07.05.2015

Revisão: 07.05.2015

**Nome comercial: (BDMA) N-Benzildimethylamine**

( continuação da página 7 )

· UN "Model Regulation":

UN2619, BENZILDIMETILAMINA, 8 (3), II

### **SECÇÃO 15: Informação sobre regulamentação**

· **15.1 Regulamentação/legislação específica para a substância ou mistura em matéria de saúde, segurança e ambiente**

Não existe mais nenhuma informação relevante disponível.

· **15.2 Avaliação da segurança química:** Não foi realizada nenhuma Avaliação de Segurança Química.

### **SECÇÃO 16: Outras informações**

As informações fornecidas baseiam-se no estado actual dos nossos conhecimentos, embora não representem uma garantia das propriedades do produto e não fundamentam uma relação contratual.

· **Abreviaturas e acrónimos:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3



# Ficha de datos de seguridad

## según 1907/2006/CE, Artículo 31

fecha de impresión 07.05.2015

Revisión: 07.05.2015

### SECCIÓN 1: Identificación de la sustancia o la mezcla y de la sociedad o la empresa

- **1.1 Identificador del producto**
- **Nombre comercial:** *(BDMA) N-Benzyl dimethylamine*
- **Número del artículo:** 11400, 11400-25
- **Número CAS:**  
103-83-3
- **Número CE:**  
203-149-1
- **Número de clasificación:**  
612-074-00-7
- **1.2 Usos pertinentes identificados de la sustancia o de la mezcla y usos desaconsejados**  
No existen más datos relevantes disponibles.
- **Utilización del producto / de la elaboración** Sustancias químicas de laboratorio
- **1.3 Datos del proveedor de la ficha de datos de seguridad**
- **Fabricante/distribuidor:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: sgkcck@aol.com  
www.emsdiasum.com
- **Aname**  
C/ Perez Galdos no. 2  
28693 Quijorna  
Madrid, Spain  
Tel: +34.91.816.89.50  
Fax: +34.91.816.85.94  
email: ventas@aname.es
- **Área de información:** Product safety department
- **1.4 Teléfono de emergencia:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### SECCIÓN 2: Identificación de los peligros

- **2.1 Clasificación de la sustancia o de la mezcla**
- **Clasificación con arreglo al Reglamento (CE) n° 1272/2008**



GHS02 llama

Flam. Liq. 3      H226 Líquidos y vapores inflamables.



GHS05 corrosión

Skin Corr. 1B      H314 Provoca quemaduras graves en la piel y lesiones oculares graves.



GHS07

Acute Tox. 4      H302 Nocivo en caso de ingestión.

( se continua en página 2 )

# Ficha de datos de seguridad

## según 1907/2006/CE, Artículo 31

fecha de impresión 07.05.2015

Revisión: 07.05.2015

**Nombre comercial:** (BDMA) N-Benzylidimethylamine

( se continua en página 1 )

Acute Tox. 4 H312 Nocivo en contacto con la piel.

Acute Tox. 4 H332 Nocivo en caso de inhalación.

Aquatic Chronic 3 H412 Nocivo para los organismos acuáticos, con efectos nocivos duraderos.

### · 2.2 Elementos de la etiqueta

#### · Etiquetado con arreglo al Reglamento (CE) n° 1272/2008

La sustancia se ha clasificado y etiquetado de conformidad con el reglamento CLP.

#### · Pictogramas de peligro



GHS02 GHS05 GHS07

#### · Palabra de advertencia Peligro

#### · Componentes peligrosos a indicar en el etiquetaje:

bencildimetilamina

#### · Indicaciones de peligro

H226 Líquidos y vapores inflamables.

H302+H312+H332 Nocivo en caso de ingestión, contacto con la piel o inhalación.

H314 Provoca quemaduras graves en la piel y lesiones oculares graves.

H412 Nocivo para los organismos acuáticos, con efectos nocivos duraderos.

#### · Consejos de prudencia

P210 Mantener alejado de fuentes de calor, chispas, llama abierta o superficies calientes. - No fumar.

P303+P361+P353 EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitarse inmediatamente las prendas contaminadas. Aclararse la piel con agua o ducharse.

P305+P351+P338 EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando.

P310 Llamar inmediatamente a un CENTRO DE TOXICOLOGÍA/médico.

P405 Guardar bajo llave.

P501 Eliminar el contenido o el recipiente conforme a la reglamentación local/regional/nacional/internacional.

### · 2.3 Otros peligros

#### · Resultados de la valoración PBT y mPmB

· **PBT:** No aplicable.

· **mPmB:** No aplicable.

## SECCIÓN 3: Composición/información sobre los componentes

### · 3.1 Caracterización química: Sustancias

#### · Denominación N° CAS

103-83-3 bencildimetilamina

#### · Número(s) de identificación

· Número CE: 203-149-1

· Número de clasificación: 612-074-00-7

ES

( se continua en página 3 )

# Ficha de datos de seguridad

## según 1907/2006/CE, Artículo 31

fecha de impresión 07.05.2015

Revisión: 07.05.2015

Nombre comercial: (BDMA) N-Benzylidimethylamine

( se continua en página 2 )

### SECCIÓN 4: Primeros auxilios

#### · 4.1 Descripción de los primeros auxilios

##### · Instrucciones generales:

Quitarse de inmediato toda prenda contaminada con el producto.

Los síntomas de intoxicación pueden presentarse después de muchas horas, por lo que se requiere una supervisión médica durante un mínimo de 48 horas después del accidente.

##### · En caso de inhalación del producto:

Suministrar aire fresco; eventualmente hacer respiración artificial, calor. Si los trastornos persisten, consultar al médico.

Las personas desmayadas deben tenderse y transportarse de lado con la suficiente estabilidad.

##### · En caso de contacto con la piel: Lavar inmediatamente con agua y jabón y enjuagar bien.

##### · En caso de con los ojos:

Limpia los ojos abiertos durante varios minutos con agua corriente y consultar un médico.

##### · En caso de ingestión:

Consultar inmediatamente un médico.

Beber mucha agua a respirar aire fresco. Solicitar asistencia médica inmediatamente.

#### · 4.2 Principales síntomas y efectos, agudos y retardados No existen más datos relevantes disponibles.

#### · 4.3 Indicación de toda atención médica y de los tratamientos especiales que deban dispensarse inmediatamente

No existen más datos relevantes disponibles.

### SECCIÓN 5: Medidas de lucha contra incendios

#### · 5.1 Medios de extinción

· Sustancias extintoras apropiadas: CO<sub>2</sub>, arena, polvo extintor. No utilizar agua.

· Sustancias extintoras inapropiadas por razones de seguridad: Agua a pleno chorro

· 5.2 Peligros específicos derivados de la sustancia o la mezcla No existen más datos relevantes disponibles.

· 5.3 Recomendaciones para el personal de lucha contra incendios

· Equipo especial de protección: Colocarse la protección respiratoria.

### SECCIÓN 6: Medidas en caso de vertido accidental

#### · 6.1 Precauciones personales, equipo de protección y procedimientos de emergencia

Llevar puesto equipo de protección. Mantener alejadas las personas sin protección.

#### · 6.2 Precauciones relativas al medio ambiente:

Al penetrar en las aguas o en el alcantarillado, avisar a las autoridades pertinentes.

Evitar que penetre en la canalización /aguas de superficie /agua subterráneas.

#### · 6.3 Métodos y material de contención y de limpieza:

Quitar con material absorbente (arena, kieselgur, aglutinante de ácidos, aglutinante universal, aserrín).

Utilizar un neutralizador.

Desechar el material contaminado como vertido según ítem 13.

Asegurar suficiente ventilación.

No enjuagar con agua ni productos de limpieza acuosos.

#### · 6.4 Referencia a otras secciones

Ver capítulo 7 para mayor información sobre una manipulación segura.

Ver capítulo 8 para mayor información sobre el equipo personal de protección.

Para mayor información sobre cómo desechar el producto, ver capítulo 13.

ES

( se continua en página 4 )

# Ficha de datos de seguridad

## según 1907/2006/CE, Artículo 31

fecha de impresión 07.05.2015

Revisión: 07.05.2015

Nombre comercial: (BDMA) N-Benzylidimethylamine

( se continua en página 3 )

### SECCIÓN 7: Manipulación y almacenamiento

- **7.1 Precauciones para una manipulación segura**  
Asegurar suficiente ventilación /aspiración en el puesto de trabajo.  
Evitar la formación de aerosoles.
- **Prevención de incendios y explosiones:**  
Mantener alejadas las fuentes de encendido. No fumar.  
Proteger del calor.  
Tomar medidas contra las cargas electrostáticas.
- **7.2 Condiciones de almacenamiento seguro, incluidas posibles incompatibilidades**
- **Almacenamiento:**
- **Exigencias con respecto al almacén y los recipientes:** No se requieren medidas especiales.
- **Normas en caso de un almacenamiento conjunto:** No es necesario.
- **Indicaciones adicionales sobre las condiciones de almacenamiento:**  
Mantener el recipiente cerrado herméticamente.  
Proteger del calor y de la luz directa del sol.
- **7.3 Usos específicos finales** No existen más datos relevantes disponibles.

### SECCIÓN 8: Controles de exposición/protección individual

- **Instrucciones adicionales para el acondicionamiento de instalaciones técnicas:**  
Sin datos adicionales, ver punto 7.
- **8.1 Parámetros de control**
- **Componentes con valores límite admisibles que deben controlarse en el puesto de trabajo:** Nulo.
- **Indicaciones adicionales:** Como base se han utilizado las listas vigentes en el momento de la elaboración.
- **8.2 Controles de la exposición**
- **Equipo de protección individual:**
- **Medidas generales de protección e higiene:**  
Mantener alejado de alimentos, bebidas y alimentos para animales.  
Quitarse de inmediato la ropa ensuciada o impregnada.  
Lavarse las manos antes de las pausas y al final del trabajo.  
Evitar el contacto con los ojos y la piel.
- **Protección respiratoria:**  
Si la exposición va a ser breve o de poca intensidad, colocarse una máscara respiratoria. Para una exposición más intensa o de mayor duración, usar un aparato de respiración autónomo.
- **Protección de manos:**



Guantes de protección

- El material del guante deberá ser impermeable y resistente al producto / sustancia / preparado.  
Ante la ausencia de tests específicos, no se puede recomendar ningún material específico para guantes de protección contra el producto / preparado / mezcla de sustancias químicas.  
Selección del material de los guantes en función de los tiempos de rotura, grado de permeabilidad y degradación.
- **Material de los guantes**  
La elección del guante adecuado no depende únicamente del material, sino también de otras características de calidad, que pueden variar de un fabricante a otro.
  - **Tiempo de penetración del material de los guantes**  
El tiempo de resistencia a la penetración exacto deberá ser pedido al fabricante de los guantes. Este tiempo debe ser respetado.

( se continua en página 5 )

# Ficha de datos de seguridad

## según 1907/2006/CE, Artículo 31

fecha de impresión 07.05.2015

Revisión: 07.05.2015

Nombre comercial: (BDMA) N-Benzyl dimethylamine

( se continua en página 4 )

· Protección de ojos:



Gafas de protección herméticas

### SECCIÓN 9: Propiedades físicas y químicas

#### · 9.1 Información sobre propiedades físicas y químicas básicas

##### · Datos generales

##### · Aspecto:

Forma:	Líquido
Color:	Amarillo claro
Olor:	Similar al de las aminas
Umbral olfativo:	No determinado.

· valor pH: No determinado.

##### · Cambio de estado

Punto de fusión /campo de fusión:	-75 °C
Punto de ebullición /campo de ebullición:	176 °C

· Punto de inflamación: 54 °C

· Inflamabilidad (sólido, gaseiforme): No aplicable.

##### · Temperatura de ignición:

Temperatura de descomposición: No determinado.

· Autoinflamabilidad: No determinado.

· Peligro de explosión: El producto no es explosivo; sin embargo, pueden formarse mezclas explosivas de vapor / aire.

##### · Límites de explosión:

Inferior:	No determinado.
Superior:	No determinado.

· Presión de vapor a 20 °C: 2,8 hPa

· Densidad a 20 °C: 0,915 g/cm<sup>3</sup>

· Densidad relativa: No determinado.

· Densidad de vapor: No determinado.

· Velocidad de evaporación: No determinado.

##### · Solubilidad en / miscibilidad con agua:

Poco o no mezclable.

· Coeficiente de reparto (n-octanol/agua): No determinado.

##### · Viscosidad:

Dinámica:	No determinado.
Cinemática:	No determinado.

##### · Concentración del disolvente:

Disolventes orgánicos:	0,0 %
VOC (CE)	0,00 %

( se continua en página 6 )

# Ficha de datos de seguridad

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· **9.2 Información adicional** No existen más datos relevantes disponibles.

### SECCIÓN 10: Estabilidad y reactividad

- **10.1 Reactividad**
- **10.2 Estabilidad química**
- **Descomposición térmica / condiciones que deben evitarse:** No se descompone al emplearse adecuadamente.
- **10.3 Posibilidad de reacciones peligrosas** No se conocen reacciones peligrosas.
- **10.4 Condiciones que deben evitarse** No existen más datos relevantes disponibles.
- **10.5 Materiales incompatibles:** No existen más datos relevantes disponibles.
- **10.6 Productos de descomposición peligrosos:** No se conocen productos de descomposición peligrosos.

### SECCIÓN 11: Información toxicológica

- **11.1 Información sobre los efectos toxicológicos**
- **Toxicidad aguda:**

· **Valores LD/LC50 (dosis letal /dosis letal = 50%) relevantes para la clasificación:**

#### 103-83-3 bencildimetilamina

Oral	LD50	265 mg/kg (rat)
Dermal	LD50	1660 mg/kg (rabbit)
Inhalatorio	LC50/4 h	2,06 mg/l (rat)

- **Efecto estimulante primario:**
- **en la piel:** Fuerte efecto cáustico en la piel y las mucosas.
- **en el ojo:** Fuerte efecto cáustico
- **Sensibilización:** No se conoce ningún efecto sensibilizante.
- **Indicaciones toxicológicas adicionales:**  
La ingestión produce un fuerte efecto cáustico en la boca y la faringe, así como el peligro de perforación del esófago y del estómago.

### SECCIÓN 12: Información ecológica

- **12.1 Toxicidad**
- **Toxicidad acuática:** No existen más datos relevantes disponibles.
- **12.2 Persistencia y degradabilidad** No existen más datos relevantes disponibles.
- **12.3 Potencial de bioacumulación** No existen más datos relevantes disponibles.
- **12.4 Movilidad en el suelo** No existen más datos relevantes disponibles.
- **Efectos ecotóxicos:**
- **Observación:** Nocivo para los peces.
- **Indicaciones medioambientales adicionales:**
- **Indicaciones generales:**  
Nivel de riesgo para el agua 2 (clasificación de listas): peligroso para el agua  
No dejar que se infiltre en aguas subterráneas, aguas superficiales o en alcantarillados.  
En estado no diluido o no neutralizado, no verter en el alcantarillado o en otros sistemas de desagüe.  
Una cantidad mínima vertida en el subsuelo ya representa un peligro para el agua potable.  
nocivo para organismos acuáticos
- **12.5 Resultados de la valoración PBT y mPmB**
- **PBT:** No aplicable.
- **mPmB:** No aplicable.

( se continua en página 7 )

**Ficha de datos de seguridad**  
según 1907/2006/CE, Artículo 31

fecha de impresión 07.05.2015

Revisión: 07.05.2015

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· **12.6 Otros efectos adversos** No existen más datos relevantes disponibles.

**SECCIÓN 13: Consideraciones relativas a la eliminación**

· **13.1 Métodos para el tratamiento de residuos**

· **Recomendación:** No debe desecharse con la basura doméstica. No debe llegar al alcantarillado.

· **Embalajes sin limpiar:**

· **Recomendación:** Eliminar conforme a las disposiciones oficiales.

**SECCIÓN 14: Información relativa al transporte**

· **14.1 Número UN**

· **ADR, IMDG, IATA**

UN2619

· **14.2 Designación oficial de transporte de las Naciones Unidas**

· **ADR**

2619 BENCILDIMETILAMINA

· **IMDG, IATA**

BENZYLDIMETHYLAMINE

· **14.3 Clase(s) de peligro para el transporte**

· **ADR**



· **Clase**

8 Materias corrosivas

· **Etiqueta**

8+3

· **IMDG, IATA**



· **Class**

8 Materias corrosivas

· **Label**

8 + 3

· **14.4 Grupo de embalaje**

· **ADR, IMDG, IATA**

II

· **14.5 Peligros para el medio ambiente:**

· **Contaminante marino:**

No

· **14.6 Precauciones particulares para los usuarios**

Atención: Materias corrosivas

· **Número Kemler:**

83

· **Número EMS:**

F-E,S-C

· **14.7 Transporte a granel con arreglo al anexo II del Convenio Marpol 73/78 y del Código IBC**

No aplicable.

· **Transporte/datos adicionales:**

· **ADR**

· **Cantidades limitadas (LQ)**

1L

( se continua en página 8 )



# Ficha de datos de seguridad

## según 1907/2006/CE, Artículo 31

fecha de impresión 07.05.2015

Revisión: 07.05.2015

**Nombre comercial: (BDMA) N-Benzyl dimethylamine**

( se continua en página 7 )

· <b>Cantidades exceptuadas (EQ)</b>	Código: E2 Cantidad neta máxima por envase interior: 30 ml Cantidad neta máxima por embalaje exterior: 500 ml
· <b>Categoría de transporte</b>	2
· <b>Código de restricción del túnel</b>	D/E
<hr/>	
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>"Reglamentación Modelo" de la UNECE:</b>	UN2619, BENCILDIMETILAMINA, 8 (3), II

### SECCIÓN 15: Información reglamentaria

- **15.1 Reglamentación y legislación en materia de seguridad, salud y medio ambiente específicas para la sustancia o la mezcla**  
No existen más datos relevantes disponibles.
- **15.2 Evaluación de la seguridad química:** Una evaluación de la seguridad química no se ha llevado a cabo.

### SECCIÓN 16: Otra información

Los datos se fundan en el estado actual de nuestros conocimientos, pero no constituyen garantía alguna de cualidades del producto y no generan ninguna relación jurídica contractual.

· **Abreviaturas y acrónimos:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3



# Güvenlik Bilgi Formu

## 1907/2006/AT uyarınca, Madde 31

Baskı tarihi: 07.05.2015

Yeniden düzenleme tarihi: 07.05.2015

### 1: Madde / Müstahzar ve Şirket / İş Sahibinin Tanıtımı

- **1.1 Ürün tanılayıcı**
- **Ticari adı: (BDMA) N-Benzylidimethylamine**
- **Mal numarası: 11400, 11400-25**
- **CAS - numarası:**  
103-83-3
- **EC Numarası:**  
203-149-1
- **AT - numarası:**  
612-074-00-7
- **1.2 Madde veya karışımın tanılanan ilgili kullanımları ve tavsiye edilmeyen kullanım biçimleri**  
Daha başka önemli bilgi mevcut değildir.
- **Maddenin Kullanımı / Hazırlanması** Laboratuarda kullanılan kimyasal maddeler
- **1.3 Güvenlik Veri Dosyasını Veren Hakkında Ayrıntılar**
- **Üretici / Teslimatı yapan:**  
Electron Microscopy Sciences  
1560 Industry Road  
USA-Hatfield, PA 19440  
Tel: 215-412-8400 Fax: 215-412-8450  
email: sgkcck@aol.com  
www.emsdiasum.com
- **Güvenlik hakkında bilgiler veren kesim: Product safety department**
- **1.4 Acil durum Telefon numarası:**  
ChemTrec 1-800-424-9300 Contract CCN7661  
1-703-527-3887

### 2: Tehlikelerin Tanıtımı

- **2.1 Madde veya karışımın sınıflandırması**
- **Düzenlemeye göre sınıflandırma (EC) No 1272/2008**



Alev

Flam. Liq. 3 H226 Alevlenir sıvı ve buhar.



Aşınma

Skin Corr. 1B H314 Ciddi cilt yanıklarına ve göz hasarına yol açar.



Acute Tox. 4 H302 Yutulması halinde zararlıdır.

Acute Tox. 4 H312 Cilt ile teması halinde zararlıdır.

Acute Tox. 4 H332 Solunması halinde zararlıdır.

Aquatic Chronic 3 H412 Sucul ortamda uzun süre kalıcı, zararlı etki.

- **2.2 Etiket elemanları (içeriği)**
- **Yönetmelik (EC) No 1272/2008'e göre etiketleme**  
Madde CLP yönetmeliğine göre sınıflandırılmış ve etiketlenmiştir.

(Devamı sayfa 2 'da)

TR

# Güvenlik Bilgi Formu

## 1907/2006/AT uyarınca, Madde 31

Baskı tarihi: 07.05.2015

Yeniden düzenleme tarihi: 07.05.2015

Ticari adı: (BDMA) N-Benzildimetilamine

(Sayfa 1 'nin devamı)

## · Zararlılık İşaretleri



GHS02 GHS05 GHS07

## · Uyarı Kelimesi Tehlike

## · Etiketlendirme için tehlikeyi belirleyici bileşenler:

benzildimetilamin

## · Zararlılık İfadesi

H226 Alevlenir sıvı ve buhar.

H302+H312+H332 Yutulduğunda, ciltle temas ettiğinde veya solunduğunda zararlıdır.

H314 Ciddi cilt yanıklarına ve göz hasarına yol açar.

H412 Sucul ortamda uzun süre kalıcı, zararlı etki.

## · Önlem İfadesi

P210 Isıdan/kıvılcımdan/alevden/sıcak yüzeylerden uzak tutun. – Sigara içilmez.

P303+P361+P353 DERİ (veya saç) İLE TEMAS HALİNDE İSE: Kirlenmiş tüm giysilerinizi hemen kaldırın/çıkartın. Cildinizi su/duş ile durulayın.

P305+P351+P338 GÖZ İLE TEMASI HALİNDE: Su ile birkaç dakika dikkatlice durulayın. Takılı ve yapması kolaysa, kontak lensleri çıkartın. Durulamaya devam edin.

P310 Hemen ULUSAL ZEHİR DANIŞMA MERKEZİNİN 114 NOLU TELEFONUNU/doktoru arayın.

P405 Kilit altında saklayın.

P501 İçeriği/kabı yerel/gölgesel/ulusal/uluslararası mevzuata uygun şekilde bertaraf edin.

## · 2.3 Diğer tehlikeler

## · PBT ve vPvB değerlendirmesi sonuçları

· PBT: Uygulanamaz.

· vPvB: Uygulanamaz.

### 3: Bileşimi / İçindekiler Hakkında Bilgi

## · 3.1 Kimyevi tanımlama: Maddeler

## · CAS-No. tanımı

103-83-3 benzildimetilamin

## · Teşhis numarası

· EC Numarası: 203-149-1

· AT - numarası: 612-074-00-7

### 4: İlk Yardım Önlemleri

## · 4.1 İlk Yardım Önlemlerinin Tanımı

## · Genel uyarılar:

Ürünün bulaşmış olduğu giyim eşyalarını derhal uzaklaştırınız.

Zehirlenme belirtileri birçok saat sonra baş gösterebilir. Bu nedenle doktor kontrolü bir kazadan en az 48 saat sonrasına kadar sürdürülmelidir.

## · Teneffüs ettikten sonra:

Temiz hava alması sağlanmalı, gerekirse nefes yardımı yapılmalı, sıcak tutulmalı. Şikâyetlerin devamı halinde doktora başvurulmalıdır.

Baygınlık halinde yatırılması ve taşınması sabit yan pozisyonunda olmalıdır.

· Cilde temas ettikten sonra: Derhal su ve sabunla yıkayarak iyice durulayınız.

(Devamı sayfa 3 'da)

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(Sayfa 2 'nin devamı)

- **Gözlere temas ettikten sonra:**  
Gözleri, gözkapakları açık bir şekilde birkaç dakika süreyle akan suyun altına tutunuz ve doktora başvurunuz.
- **Yuttuktan sonra:**  
Derhal doktora gidiniz.  
Bolca su içiniz ve temiz hava alınız. Derhal doktor çağrınız.
- **4.2 Hem Akut hem de gecikmeli en önemli belirti ve etkileri Daha başka önemli bilgi mevcut değildir.**
- **4.3 Derhal Tıbbi Yardım gereği ve gereken özel tedavilerin endikasyonu**  
Daha başka önemli bilgi mevcut değildir.

### 5: Yangınla Mücadele Önlemleri

- **5.1 Söndürme ortamı**
- **Elverişli söndürücü maddeler:** CO<sub>2</sub>, kum, söndürme tozu. Su kullanmayınız.
- **Güvenlik açısından elverişli olmayan söndürücü maddeler:** Sıkma su
- **5.2 Madde veya karışımdan kaynaklanan özel tehlikeler Daha başka önemli bilgi mevcut değildir.**
- **5.3 Yangınla mücadele edenler için tavsiyeler**
- **Özel koruyucu teçhizat:** Nefes koruyucu alet takınız.

### 6: Kaza Sonucu Yayılma Önlemleri

- **6.1 Kişisel önlemler, koruyucu donanımlar ve acil durum prosedürleri**  
Koruyucu teçhizat takınız. Korunmamış şahısları yaklaştırmayınız.
- **6.2 Çevresel önlemler:**  
Sulara ya da kanalizasyona karışması halinde yetkili resmi makamlara haber veriniz.  
Kanalizasyona/Yüzeysel suya/Yeraltı suyuna karışmasını önleyiniz.
- **6.3 Toplama ve temizleme önlemleri ve malzemeleri:**  
Sıvı bağlayıcı malzemeyle (Kum, diyatomit, asit bağlayıcı, genel bağlayıcı, un halinde testere talaşı) ile eminiz.  
Nötürleyici madde uygulayınız.  
Zararlı madde karışmış malzemeyi çöp olarak madde 13 'e göre tasfiye ediniz.  
Yeterli havalandırma sağlayınız.  
Su ya da sulu temizlik maddeleriyle yıkamayınız.
- **6.4 Diğer bölümlere gönderiler**  
Güvenli kullanım ile ilgili bilgileri 7. bölümden alınız.  
Kişisel koruyucu teçhizat ile ilgili bilgileri 8. bölümden alınız.  
Tasfiye ile ilgili bilgileri 13. bölümden alınız.

### 7: Elleçleme ve Depolama

- **7.1 Güvenli elleçleme önlemleri**  
Çalışılan yerin iyi havalanmasını / havanın iyi emilmesini sağlayınız.  
Aerosol (bir gazın içinde sis şeklinde dağılmış sıvı) oluşumunu önleyiniz.
- **Yangın ve patlamadan korunmak için uyarılar:**  
Tutuşturucu cisimlerden uzak tutunuz - sigara içmeyiniz.  
Aşırı sıcaktan koruyunuz.  
Elektrostatik dolmaya karşı önlemler alınız.
- **7.2 Uyumsuzluklar dahil, güvenli depolama koşulları**
- **Depolama:**
- **Depolarda ve kaplarda aranan özellikler:** Belirli şartlar aranmaz.
- **Birarada depolama ile ilgili uyarılar:** Gerekli değil.
- **Depolama şartları ile ilgili diğer bilgiler:**  
Kabı sızdırmayacak şekilde kapalı tutunuz.

(Devamı sayfa 4 'da)

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(Sayfa 3 'nin devamı)

- Sıcaktan ve güneş ışınlarından koruyunuz.
- 7.3 Spesifik son kullanım(lar) Daha başka önemli bilgi mevcut değildir.

### 8: Maruziyet Kontrolleri / Kişisel Korunma

- Teknik tesisatların şekillendirilmesi ile ilgili ek bilgiler: Başka bilgi yoktur, madde 7 'den bakınız.
- 8.1 Kontrol parametreleri
- Çalışma yeri ile ilgili, kontrol edilmesi gereken sınır değerleri olan bileşenler: Kalkmıştır.
- Ek uyarılar: Düzenlendiği tarihte geçerli listeler esas alınmıştır.
- 8.2 Maruz kalma kontrolü
- Kişisel koruyucu teçhizat:
- Genel koruyucu ve sıhhi önlemler:
  - Gıda maddelerinden, içeceklerden ve yem maddelerinden uzak tutunuz.
  - Kirlenmiş, sıvı bulaşmış giyim eşyalarını derhal çıkartınız.
  - Molalardan önce ve mesai sonunda ellerinizi yıkayınız.
  - Gözlerinize ve cildinize değmesinden kaçınınız.
- Nefes koruyucu önlemler:
  - Kısa süreli ya da düşük ölçüde olumsuz tesir altında kalındığında nefes filtre aleti, yoğun bir şekilde ya da uzun süre etkisi altında kalındığında çevredeki havadan bağımsız olan nefes koruyucu cihaz kullanınız.
- Elleri koruyucu:



Koruyucu eldivenler

- Eldiven malzemesi ürün / malzeme / hazırlanan madde ile ilgili olarak geçirmez ve dayanıklı olmalıdır. Testlerin yapılmamış olması nedeni ile ürün / hazırlanmış madde / kimyasal karışım için lâzım olan eldiven imalatında kullanılması gereken malzeme ile ilgili herhangi bir tavsiye yapılamamaktadır. Eldiven imalatı için kullanılan malzemelerin seçiminde delinme sürelerinin, geçirgenlik oranlarının ve bozulmanın göz önüne alınması gereklidir.
- Eldiven malzemesi
    - Uygun eldivenin seçiminde yalnız imalat malzemesi değil, aynı zamanda diğer kalite özellikleri de dikkate alınmalıdır ve bunlar imalatçıdan imalatçıya değişiklik göstermektedir.
  - Eldiven malzemesine nüfuz etme süresi
    - Kesin delinme (aşınma) süresi eldiven imalatçısından öğrenilmeli ve bu sürelere riayet edilmelidir.
  - Gözleri koruyucu:



Kenarları tam kapatan koruyucu gözlük

### 9: Fiziksel ve Kimyasal Özellikler

- 9.1 Temel fiziksel ve kimyasal özellikleri hakkında bilgiler
- Genel bilgiler
- Görünüş:
 

Biçim:	Sıvı
Renk:	Açık sarı
Koku:	Amin gibi
Koku eşik değeri:	Belirli değil.

(Devamı sayfa 5 'da)

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(Sayfa 4 'nin devamı)

· pH - değeri:	Belirli değil.
· Durum değişikliği	
Erime ısısı / Erime ısı alanı:	-75 °C
Kaynama ısısı / Kaynama ısı alanı:	176 °C
· Alev alma ısısı:	54 °C
· Tutuşabilme özelliği (katı, gaz şeklinde):	Uygulanamaz.
· Tutuşma ısısı:	
Çözülme ısısı:	Belirli değil.
· Kendiliğinden tutuşabilme özelliği:	Belirli değil.
· Patlama tehlikesi:	Ürünün patlama tehlikesi yoktur, ancak patlama tehlikesi olan Buhar/Hava karışımlarının oluşması mümkündür.
· Patlama sınırları:	
Alt:	Belirli değil.
Üst:	Belirli değil.
· Buhar basıncı 20 °C'de:	2,8 hPa
· Yoğunluk 20 °C'de:	0,915 g/cm <sup>3</sup>
· Nisbi yoğunluk	Belirli değil.
· Buhar yoğunluğu	Belirli değil.
· Buharlaşma hızı	Belirli değil.
· Çözülme kabiliyeti / karışma kabiliyeti suyla:	Karıştırılmaz ya da düşük ölçüde karıştırılabilir.
· Dağılım katsayısı (n-Octanol/Su):	Belirli değil.
· Viskozitesi:	
Dinamik:	Belirli değil.
Kinematik:	Belirli değil.
· Çözücü madde oranı:	
Organik çözücü madde:	%0.0
VOC (CE)	0,00 %
· 9.2 Diğer bilgiler	Daha başka önemli bilgi mevcut değildir.

### 10: Kararlılık ve Tepkime

- 10.1 Reaktivite
- 10.2 Kimyasal stabilite (kararlılık)
- Termik ayrışma / kaçınılması gereken şartlar: Usulüne uygun şekilde kullanıldığında ayrışma olmaz.
- 10.3 Tehlikeli tepki olasılıkları Tehlikeli reaksiyonları duyulmamıştır.
- 10.4 Kaçınılacak durumlar Daha başka önemli bilgi mevcut değildir.
- 10.5 Uyumsuz malzemeler: Daha başka önemli bilgi mevcut değildir.
- 10.6 Tehlikeli bozunma ürünleri: Ayrışmada oluşan tehlikeli ürünler duyulmamıştır.

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(Devamı sayfa 6 'da)

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(Sayfa 5 'nin devamı)

### 11: Toksikoloji Bilgisi

- 11.1 Toksikolojik etkileri hakkında bilgiler
- Akut toksisite:

· Sınıflandırma için önemli olan LD/LC50 - değerleri (toksikolojik deney değerleri)

#### 103-83-3 benzildimetilamin

Ağızdan	LD50	265 mg/kg (rat)
Ciltten	LD50	1660 mg/kg (rabbıt)
Nefesle	LC50/4 h	2,06 mg/l (rat)

- **Asli tahriş edici etkisi:**
- **cilte:** Cilte ve süüüksel zarda kuvvetli yakıcı tesiri vardır.
- **gözde:** Kuvvetli yakıcı tesiri vardır
- **Duyarlılık yaratma:** Duyarlılığı arttırıcı tesiri duyulmamıştır.
- **Ek toksikolojik uyarılar:**  
Yutulması halinde ağız kesiminde ve boğazda aşırı yakıcı tesir ve yemek borusunda ve midede perforasyon tehlikesi mevcuttur.

### 12: Ekoloji Bilgisi

- 12.1 Toksikite
- **Su toksisitesi:** Daha başka önemli bilgi mevcut değildir.
- 12.2 Kalıcılık ve doğada bozunurluk Daha başka önemli bilgi mevcut değildir.
- 12.3 Biyo-birikme potansiyeli Daha başka önemli bilgi mevcut değildir.
- 12.4 Toprakta hareketlilik Daha başka önemli bilgi mevcut değildir.
- **Ökotoksik etkileri:**
- **Not:** Balıklar için zararlı
- **Diğer ekolojik uyarılar:**
- **Genel uyarılar:**  
Suyu tehdit sınıfı 2 (): suyu tehdit edicidir  
Yeraltı suyuna, duran ve akan sulara ve kanalizasyona ulaşmasını önleyiniz.  
Sulandırılmamış ya da nütürlenmemiş olarak atık sulara ya da ön sulandırma havuzuna ulaşmamalıdır.  
Cüzi miktarların bile yeraltına akması halinde içme suyunu tehdit eder.  
Suda yaşayan organizmalar için zararlıdır
- 12.5 PBT ve vPvB değerlendirme sonuçları
- **PBT:** Uygulanamaz.
- **vPvB:** Uygulanamaz.
- 12.6 Diğer olumsuz etkileri Daha başka önemli bilgi mevcut değildir.

### 13: Bertaraf Etme Bilgileri

- 13.1 Atık arıtma yöntemleri
- **Tavsiye:** Ev çöpiyle beraber tasfiye edilmesi yasaktır. Kanalizasyona ulaşmasını önleyiniz.
- **Temizlenmemiş ambalajlar:**
- **Tavsiye:** Tasfiyesi resmi makamların yönetmeliklerine göre yapılır.

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(Devamı sayfa 7 'da)

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(Sayfa 6'nin devamı)

### 14: Taşımacılık Bilgisi

<ul style="list-style-type: none"> <li>· 14.1 BM - numarası</li> <li>· ADR, IMDG, IATA</li> </ul>	<p style="text-align: right;">UN2619</p>
<ul style="list-style-type: none"> <li>· 14.2 UN uygun sevkiyat adı</li> <li>· ADR</li> <li>· IMDG, IATA</li> </ul>	<p style="text-align: right;">2619 BENZİLDİMETİLAMİN BENZYLIDIMETHYLAMINE</p>
<ul style="list-style-type: none"> <li>· 14.3 taşıma tehlike sınıfları</li> <li>· ADR</li> </ul>	<div style="display: flex; justify-content: space-around; align-items: center;">   </div>
<ul style="list-style-type: none"> <li>· sınıfı</li> <li>· Tehlike pusulası</li> </ul>	<p style="text-align: right;">8 Aşındırıcı maddeler 8+3</p>
<ul style="list-style-type: none"> <li>· IMDG, IATA</li> </ul>	<div style="display: flex; justify-content: space-around; align-items: center;">   </div>
<ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	<p style="text-align: right;">8 Aşındırıcı maddeler 8 + 3</p>
<ul style="list-style-type: none"> <li>· 14.4 Ambalaj gurubu</li> <li>· ADR, IMDG, IATA</li> </ul>	<p style="text-align: right;">II</p>
<ul style="list-style-type: none"> <li>· 14.5 Çevre tehlikeleri:</li> <li>· Marine pollutant:</li> </ul>	<p style="text-align: right;">Hayır</p>
<ul style="list-style-type: none"> <li>· 14.6 Kullanıcı için özel önlemler</li> <li>· Kemler (tehlike) sayısı:</li> <li>· EMS - numarası:</li> </ul>	<p style="text-align: right;">Uyarı: Aşındırıcı maddeler 83 F-E,S-C</p>
<ul style="list-style-type: none"> <li>· 14.7 MARPOL73/78 Ek II ve IBC Koduna göre dökme halde nakliyat</li> </ul>	<p style="text-align: right;">Uygulanamaz.</p>
<ul style="list-style-type: none"> <li>· Nakliyat/diğer bilgiler:</li> </ul>	
<ul style="list-style-type: none"> <li>· ADR</li> <li>· Sınırlı Miktarlar</li> <li>· İstisnai miktarlar (EQ)</li> </ul>	<p style="text-align: right;">1L Kod: E2 İç ambalaj başına maksimum net miktar: 30 ml Dış ambalaj başına maksimum net miktar: 500 ml</p>
<ul style="list-style-type: none"> <li>· Taşıma kategorisi</li> <li>· Tünel kısıtlama kodu</li> </ul>	<p style="text-align: right;">2 D/E</p>
<ul style="list-style-type: none"> <li>· IMDG</li> <li>· Limited quantities (LQ)</li> <li>· Excepted quantities (EQ)</li> </ul>	<p style="text-align: right;">1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p>

(Devamı sayfa 8'da)

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(Sayfa 7 'nin devamı)

· UN "Model Düzenleme":

UN2619, BENZİLDİMETİLAMİN, 8 (3), II

### 15: Mevzuat Bilgisi

- **15.1 Madde veya karışım için belirtilen güvenlik, sağlık ve çevre yönetmelikleri/mevzuatı**  
Daha başka önemli bilgi mevcut değildir.
- **15.2 Kimyasal güvenlik değerlendirmesi:** Bir Kimyasal güvenlik değerlendirmesi yapılmamıştır.

### 16: Diğer Bilgiler

Veriler bugünkü bilgi durumumuza istinat etmektedir, ancak ürün özellikleri ile ilgili teminat teşkil etmezler ve akdî bir hukuki ilişki tesis etmezler.

**Kısaltmalar ve:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Flam. Liq. 3: Flammable liquids, Hazard Category 3  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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