

MSDS for N-Methylformamide, 99+%



Material Safety Data Sheet

N-Methylformamide, 99+%

Section 1 - Chemical Product and Company Identification

MSDS Name: N-Methylformamide, 99+%
Catalog Numbers: 41433-0000, 41433-0050, 41433-1000
Synonyms:
Company Identification: Acros Organics BVBA
 Janssen Pharmaceuticaaan 3a
 2440 Geel, Belgium
Company Identification: (USA) Acros Organics
 One Reagent Lane
 Fair Lawn, NJ 07410
For information in the US, call: 800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
123-39-7	N-Methylformamide	99+%	204-624-6

Hazard Symbols: T



Risk Phrases: 61 21

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Harmful in contact with skin. May cause harm to the unborn child.

Potential Health Effects

Eye: May cause eye irritation.
Skin: May cause skin irritation. Harmful if absorbed through the skin. Substance is readily absorbed through the skin.
Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.
Chronic:

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Section 7 - Handling and Storage

Handling: Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Take precautionary measures against static discharges. Use only in a chemical fume hood.

Storage: Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

CAS# 123-39-7:

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid

Color: colorless

Odor: weak odor

pH: 6-8 (250g/l aq.sol.)

Vapor Pressure: 0.2 mbar @20 deg C

Viscosity: 1.9 mPa.s@20 deg C

Boiling Point: 199-201 deg C@760 mmHg

Freezing/Melting Point: -3.2 deg C (26.24癈)

Autoignition Temperature: 425 deg C (797.00 deg F)

Flash Point: 111 deg C (231.80 deg F)

Explosion Limits: Lower: 3.8 vol%

Explosion Limits: Upper: 17.8 vol%

Decomposition Temperature: Not available

Solubility in water: Miscible

Specific Gravity/Density: 1.003g/cm³

Molecular Formula: C₂H₅NO

Molecular Weight: 59.06

Section 10 - Stability and Reactivity

Chemical Stability:	Stable.
Conditions to Avoid:	Incompatible materials.
Incompatibilities with Other Materials	Strong oxidizing agents, acids, bases, acid chlorides.
Hazardous Decomposition Products	Nitrogen oxides, carbon monoxide, carbon dioxide.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

RTECS#:	CAS# 123-39-7: LQ3000000
LD50/LC50:	RTECS: CAS# 123-39-7: Draize test, rabbit, eye: 100 mg; Oral, mouse: LD50 = 2600 mg/kg; Oral, rat: LD50 = 4 gm/kg; . Other: Skin, rabbit: LD50 = 2000 mg/kg Inhalation, rat: LC50 = >4.1 mg/l/4h
Carcinogenicity:	N-Methylformamide - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	See actual entry in RTECS for complete information. Teratogen. Mutagenicity: Ames-test: negative.

Section 12 - Ecological Information

Ecotoxicity:	Daphnia: EC/LC50 = > 500 mg/l; 48 H; acuut Algae: EC/LC50 = > 500 mg/l; 72 H; . Bacteria: EC/LC50 = > 10 000 mg/l; 17 H; .
Other:	Biodegradable.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not available	Not available	Not available
Hazard Class:			
UN Number:			
Packing Group:			

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T

Risk Phrases:

R 61 May cause harm to the unborn child.

R 21 Harmful in contact with skin.

Safety Phrases:

S 53 Avoid exposure - obtain special instructions before use.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 123-39-7: 1

Canada

CAS# 123-39-7 is listed on Canada's DSL List

US Federal

TSCA

CAS# 123-39-7 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 7/16/1996

Revision #2 Date 7/25/2002

Revisions were made in Sections: General revision.

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