

HAZARDOUS

Catalog Number: 202010

Revision date: 18-Mar-2005

Australia Hazardous Statement: Hazardous according to criteria of NOHSC

	1. COMPANY DETAILS	
Supplier:	MP Biomedicals Australasia Pty Limited Unit 12, 167 Prospect Hwy. Seven Hills, NSW 2147 Aust.	
Telephone Number: Fax Number:	(02) 9838 7422 (02) 9838 7390	
Emergency telephone number:	(02) 9838 7422: hours: 8.30 AM to 5.00 PM	
Australian Business Number (ABN):	31 106 467 109	

2. IDENTIFICATION

Product name: Catalog Number: Synonyms:

UN/Id No: Proper shipping name: IATA Hazard Label(s): Hazard Class

Subsidiary risk: Packing group:

Emergency Action Code (Hazchem code): Poisons schedule No. (Aust)/Toxic Substance (NZ): Recommended use: DIETHYL MERCURY 202010 Not Available

2024 Mercury compound, liquid, n.o.s. Toxic 6.1 Toxic substances - oral No Subsidiary Risk allocated III

2X S7 Dangerous Poison. Research product for non-human use

Component DIETHYL MERCURY 627-44-1 (100)

Australia (AICS): Present

3. PHYSICAL DESCRIPTION/PROPERTIES

Appearance and Odor Physical state: Formula: Molecular weight: Boiling point/range: Melting point/range: Density: Vapor pressure: Solubility (in water): Catalog Number: 202010 Colorless hazel-like odor Liquid C4H10Hg 258.713 159°C Not determined 2.4660 g/ml @ 20°C Not determined Not determined Product name: DIETHYL MERCURY

Flash point:	Not determined
Autoignition temperature:	Not determined
Flammable limits in air - lower	Not determined
(%):	
Flammable limits in air - upper	Not determined
(%):	

4. INGREDIENTS

Components	CAS Number	Weight %	EC No.	Classification
DIETHYL MERCURY	627-44-1	100		T+; N

5. HAZARDS IDENTIFICATION

Australia Hazardous Statement: Hazardous according to criteria of NOHSC



Indication of Danger:

T+ - Very toxic.

N - Dangerous For The Environment.

R26/27/28 - Very toxic by inhalation, in contact with skin and if swallowed.

R33 - Danger of cumulative effects.

R50 - Very toxic to aquatic organisms.

R53 - May cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

- S36 Wear suitable protective clothing.
- S28 After contact with skin, wash immediately with plenty of water.
- S13 Keep away from food, drink and animal feeding stuffs.
- S60 This material and its container must be disposed of as hazardous waste.
- S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Category of Danger: Very Toxic , Dangerous for the environment , Skin Sensitizer , Repr. cat. 2 , Carc. cat. 3

Poisons schedule No. (Aust)/Toxic Substance (NZ): S7 Dangerous Poison.

6. HEALTH HAZARD INFORMATION

HEALTH EFFECTS

EMERGENCY OVERVIEW:	Harmful to flora, fauna, soil organisms and aquatic organisms. May sensitization by skin contact Very toxic: danger of very serious irrev swallowed. May also have serious irreversible effects through skin inhalation.	versible effects if
Principle routes of exposure:	Skin	
Inhalation:	Harmful: possible risk of irreversible effects through inhalation.	
Ingestion:	Very Toxic: danger of very serious irreversible effects if swallowed.	
Skin contact:	May cause allergic skin reaction Harmful: danger of serious damage prolonged skin contact.	ge to health by
Catalog Number: 202010	Product name: DIETHYL MERCURY	Page 2 of 7

Eye contact: Statements of hazard

Risk of serious damage to eyes MAY CAUSE ALLERGIC SKIN REACTION. Very toxic if swallowed

Components	Australian Exposure Standards -	Australia - Exposure Standards - Short
	Carcinogens	
DIETHYL MERCURY	Not Listed	0.03 mg/m ³ STEL

Components	Australia - Exposure Standards - Skin E	Australia - Exposure Standards - Time W
DIETHYL MERCURY	skin absorption	0.05 mg/m ³

FIRST AID

General advice:	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Inhalation: Skin contact: Ingestion:	Move to fresh air. Call a physician immediately. Wash off immediately with soap and plenty of water Consult a physician if necessary Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician Drink 1 or 2 glasses of water. Induce vomiting if person is conscious.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Protection of first-aiders: Notes to physician: Medical conditions aggravated exposure:	No information available None

7. PRECAUTIONS FOR USE

	Australian Exposure	Australian Exposure	Australian List of
	Standards - TWA	Standards - Carcinogens	Designated Hazardous
DIETHYL MERCURY			Candidate Chemical

Section 8 Notes: TWA - The time-weighted average airborne concentration over an eight-hour working day, for a fiveday working week over an entire working life. According to current knowledge this concentration should neither impair the health or, not cause undue discomfort to, nearly all workers.

Engineering measures: Ensure adequate ventilation, especially in confined areas.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Self-contained breathing apparatus Hand protection: Pvc disposable gloves Skin and body protection: Impervious clothing Long sleeved clothing Eye protection: Safety glasses Hygiene measures: Avoid contact with skin, eyes and clothing.



8. SAFE HANDLING INFORMATION

Handling: Safe handling advice:	Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Remove and wash contaminated clothing before reuse.	
Technical measures/storage conditions:	Keep containers tightly closed in a cool, well-ventilated place. Keep container tigh closed in a dry and well-ventilated place.	
Stability: Polymerization: Hazardous decomposition products: Materials to avoid: Conditions to avoid:	Stable under recommended storage conditions. None under normal processing. Mercury (Hg) - Exposure to air or moisture over prolonged periods.	
Conditions to avoid.		
Spills and Disposal:		
Personal precautions: Environmental precautions: Methods for cleaning up: Waste from residues / unused pre	oducts:	Use personal protective equipment. Do not flush into surface water or sanitary sewer system. Soak up with inert absorbent material. Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.
Contaminated packaging:		Do not re-use empty containers
Fire/Explosion Hazards:		
Suitable extinguishing media: Specific hazards: Unusual hazards: Special protective equipment for	firefighters:	Use dry chemical, CO2, water spray or "alcohol" foam combustible material None known As in any fire, wear self-contained breathing apparatus
Specific methods:		pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear Water mist may be used to cool closed containers.

Specific methods:

9. TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity

Components	RTECS Number:	Selected LD50s and LC50s
DIETHYL MERCURY	OW2350000	Inhalation LC50 Rat : 258 mg/m ³
		Inhalation LC50 Mouse : 91 mg/m ³
		Oral LD50 Rat : 51 mg/kg
		Oral LD50 Mouse : 44 mg/kg

Local effects:	unconsciousness. Symptoms of overexposure may be headache, dizziness, tiredness, nar vomiting.	
Specific effects:	May include moderate to severe erythema (redness) and moderate ede skin), nausea, vomiting, headache.	ma (raised
Carcinogenic effects:	Possible carcinogen	
Mutagenic effects:	No data is available on the product itself.	
Catalog Number: 202010	Product name: DIETHYL MERCURY	Page 4 of

Reproductive toxicity:	Experiments have shown reproductive toxicity effects on laboratory animals.		
Components	NIOSH - Health Effects	NIOSH - Target Organs	
DIETHYL MERCURY	CNS damage; eye, respiratory, and skin irritation	skin, respiratory system, CNS, kidneys, eyes	

10. ECOLOGICAL INFORMATION

Mobility:	No data available
Bioaccumulation:	No data available
Ecotoxicity effects:	No data available
Aquatic toxicity:	May cause long-term adverse effects in the aquatic environment.

	U.S. DOT - Appendix B - Marine Pollutan	••	United Kingdom - The Red List:
DIETHYL MERCURY	Not Listed	DOT regulated severe marine pollutant	Original entry

Components	Germany VCI (WGK)	World Health Organization (WHO) - Drinking Water	Ecotoxicity - Fish Species Data
DIETHYL MERCURY	3	0.001 mg/L (total)	LC50 (96 hr) rainbow trout:0.16-0.90 mg/L.:;LC50 (96 hr) bluegill sunfish:0.16- 0.90 mg/L.:;LC50 (96 hr) catfish:0.35 mg/L.:

	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Microtox Data	Ecotoxicity - Water Flea Data
DIETHYL MERCURY	Not Listed	Not Listed	LC50 (96 hr) water flea:5.0 ug/L:

Components	EPA - ATSDR Priority List	EPA - HPV Challenge Program Chemical List	California - Priority Toxic Pollutants
DIETHYL MERCURY	Rank (of 275): 003	Not Listed	Maximum and continuous concentrations = reserved

Components	California - Priority Toxic Pollutants	California - Priority Toxic Pollutants
DIETHYL MERCURY	Water and organisms = 0.050 ug/L;	Maximum and continuous concentrations =
	organisms only = 0.051 ug/L	reserved

11. TRANSPORT INFORMATION

IMDG/IMO

Proper shipping name:

IMDG - Hazard Classifications IMDG - Marine Pollutants IMDG - Marine Pollutants IMDG - Regulated Substances IMDG - Severe Marine Pollutants

IMO-labels:

Packing group: Proper shipping name: UN/Id No:

Catalog Number: 202010

Mercury compound, liquid, n.o.s. IMDG class or division = 8 Not Applicable UN2809 UN2024 (liquid); UN2025 (solid)

III Mercury compound, liquid, n.o.s. 2024

Product name: DIETHYL MERCURY

ADR/RID

Australia Hazardous Statement:	Hazardous according to criteria of NOHSC
Hazard Class	6.1
Item:	DIETHYL MERCURY
ADR/RID-labels:	Toxic
UN/Id No:	2024
Emergency Action Code (Hazchem code):	2X
Proper shipping name:	Mercury compound, liquid, n.o.s.

ICAO:

Hazard Class	6.1
Packing group:	III
Proper shipping name:	Mercury compound, liquid, n.o.s.

12. REGULATORY INFORMATION

International inventories:

DIETHYL MERCURY
Australia (AICS): Present
EU EINECS List - 211-000-7; C4H10Hg
Korean KECL: KE-23117
Philippines PICCS: Present
Contains: DIETHYL MERCURY
Indication of Danger:
T+ - Very toxic.
N - Dangerous For The Environment.



Risk Combination Phrases R26/27/28 - Very toxic by inhalation, in contact with skin and if swallowed.

R33 - Danger of cumulative effects.

R50 - Very toxic to aquatic organisms.

R53 - May cause long-term adverse effects in the aquatic environment.

Safety Phrases: S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

S36 - Wear suitable protective clothing.

S28 - After contact with skin, wash immediately with plenty of water.

S13 - Keep away from food, drink and animal feeding stuffs.

S60 - This material and its container must be disposed of as hazardous waste.

S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

Poisons schedule No. (Aust)/Toxic Substance (NZ): S7 Dangerous Poison.

13. OTHER INFORMATION

Prepared by: Health & Safety

MP Biomedicals Australasia Pty Limited

Disclaimer: The information and recommendations contained herein are based upon tests believed to be reliable. However, MP Biomedicals does not guarantee the accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage maybe required. MP Biomedicals assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. End of Safety Data Sheet