



Material Safety Data Sheet

HAZARDOUS

Catalog Number: 204307

Revision date: 10-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: (02) 9838 7422
Fax Number: (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: MERCURY OLEATE
Catalog Number: 204307
Synonyms: Not Available

UN/Id No: 1640
Proper shipping name: Mercury oleate
IATA Hazard Label(s): Toxic
Hazard Class: 6.1
- Toxic substances - oral
Subsidiary risk: No Subsidiary Risk allocated
Packing group: II

Emergency Action Code (Hazchem code): 2X
Poisons schedule No. (Aust)/Toxic Substance (NZ): S6 Poison.
Recommended use: Research product for non-human use

Component **Australia (AICS):**
MERCURY OLEATE Present
1191-80-6 (100)

3. PHYSICAL DESCRIPTION/PROPERTIES

Physical state: Liquid
Formula: C₁₈H₃₄O₂•1/2Hg
Molecular weight: 200.59
Boiling point/range: 356.58 deg. C
Melting point/range: -38.87 deg. C
Density: Not determined
Vapor pressure: 2 x 10⁻³ mm Hg at 25 °C
Solubility (in water): Slightly soluble
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
MERCURY OLEATE	1191-80-6	100	214-741-4	T; N

5. HAZARDS IDENTIFICATION

Australia Hazardous Statement: Hazardous according to criteria of NOHSC



Indication of Danger:

T - Toxic.

N - Dangerous For The Environment.

Risk Phrases:

R33 - Danger of cumulative effects.

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

R50 - Very toxic to aquatic organisms.

R23 - Toxic by inhalation.

Safety Phrases:

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

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

S 7 - Keep container tightly closed.

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

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

Poisons schedule No. (Aust)/Toxic Substance (NZ): S6 Poison.

6. HEALTH HAZARD INFORMATION

HEALTH EFFECTS

EMERGENCY OVERVIEW:

Harmful to flora, fauna, soil organisms and aquatic organisms. May cause sensitization by skin contact Toxic: danger of very serious irreversible effects if swallowed. May also have serious irreversible effects through skin contact or inhalation.

Principle routes of exposure:

Skin

Inhalation:

Harmful: possible risk of irreversible effects through inhalation.

Ingestion:

Toxic: danger of very serious irreversible effects if swallowed.

Skin contact:

May cause allergic skin reaction Harmful: danger of serious damage to health by prolonged skin contact.

Eye contact:

Risk of serious damage to eyes

Statements of hazard

MAY CAUSE ALLERGIC SKIN REACTION. Toxic if swallowed

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

Components	Australia - Exposure Standards - Skin E	Australia - Exposure Standards - Time W
MERCURY OLEATE	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:	Move to fresh air. Call a physician immediately.
Skin contact:	Wash off immediately with soap and plenty of water Consult a physician if necessary
Ingestion:	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:	No information available
Notes to physician:	None
Medical conditions aggravated by exposure:	None known

7. PRECAUTIONS FOR USE

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

Section 8 Notes: TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day 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

Storage:

ROOM TEMPERATURE

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 container tightly closed in a dry and well-ventilated place. Keep containers tightly closed in a cool, well-ventilated place.

Stability: Stable under recommended storage conditions.

Polymerization: None under normal processing.

Hazardous decomposition products: Mercury (Hg)

Materials to avoid: -

Conditions to avoid: Exposure to air or moisture over prolonged periods.

Spills and Disposal:

Personal precautions: Use personal protective equipment.

Environmental precautions: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Soak up with inert absorbent material.

Waste from residues / unused products: 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: Use dry chemical, CO₂, water spray or "alcohol" foam

Specific hazards: Burning produces irritant fumes.

Unusual hazards: None known

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Specific methods: Water mist may be used to cool closed containers.

9. TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity

Components	RTECS Number:	Selected LD50s and LC50s
MERCURY OLEATE	OW8600000	Not Determined

Chronic toxicity: Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.

Local effects: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Specific effects: May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.

Carcinogenic effects: Possible carcinogen

Mutagenic effects: No data is available on the product itself.

Reproductive toxicity: Experiments have shown reproductive toxicity effects on laboratory animals.

Components	NIOSH - Health Effects	NIOSH - Target Organs
MERCURY OLEATE	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.

Components	U.S. DOT - Appendix B - Marine Pollutan	U.S. DOT - Appendix B - Severe Marine Pollutants	United Kingdom - The Red List:
MERCURY OLEATE	Not Listed	DOT regulated severe marine pollutant; also listed as Mercuric oleate	Original entry

Components	Germany VCI (WGK)	World Health Organization (WHO) - Drinking Water	Ecotoxicity - Fish Species Data
MERCURY OLEATE	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.:

Components	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Microtox Data	Ecotoxicity - Water Flea Data
MERCURY OLEATE	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
MERCURY OLEATE	Rank (of 275): 003	Not Listed	Maximum and continuous concentrations = reserved

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

11. TRANSPORT INFORMATION

IMDG/IMO

Proper shipping name:	Mercury oleate
IMDG - Hazard Classifications	IMDG class or division = 6.1, PP
IMDG - Marine Pollutants	Not Applicable
IMDG - Marine Pollutants	Not Applicable
IMDG - Regulated Substances	UN1640
IMDG - Severe Marine Pollutants	UN1640

IMO-labels:

Packing group:	II
Proper shipping name:	Mercury oleate
UN/Id No:	1640

ADR/RID

Australia Hazardous Statement:	Hazardous according to criteria of NOHSC
Hazard Class	6.1
Item:	MERCURY OLEATE

ADR/RID-labels:	Toxic
UN/Id No:	1640
Emergency Action Code (Hazchem code):	2X
Proper shipping name:	Mercury oleate

ICAO:

Hazard Class	6.1
Packing group:	II
Proper shipping name:	Mercury oleate

12. REGULATORY INFORMATION**International inventories:**

MERCURY OLEATE

Australia (AICS):	Present
EU EINECS List -	214-741-4; C18H34O2.1/2Hg
Korean KECL:	KE-23117
Philippines PICCS:	Present

Indication of Danger:

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Poisons schedule No. (Aust)/Toxic Substance (NZ): S6 Poison.**13. OTHER INFORMATION****Prepared by:** Health & Safety**Disclaimer:** The information and recommendations contained herein are based upon tests believed to be reliable.

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End of Safety Data Sheet