



Material Safety Data Sheet

Catalog Number: 201406

Revision date: 18-Mar-2005

Australia Hazardous Statement: **Not classified as 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: LEAD THIOSULFATE

Catalog Number: 201406

Synonyms: Not Available

UN/Id No: No UN Number allocated

Proper shipping name: No Dangerous goods class allocated

IATA Hazard Label(s): No Dangerous goods class allocated

Hazard Class: No Dangerous goods class allocated

Subsidiary risk: No Subsidiary Risk allocated

Emergency Action Code (Hazchem code): No Hazchem Code allocated

Poisons schedule No. (Aust)/Toxic Substance (NZ): No Poisons Schedule Number allocated

Recommended use: Research product for non-human use

| | |
|------------------|--------------------------|
| Component | Australia (AICS): |
| LEAD THIOSULFATE | Not Present |
| N/A (100) | |

3. PHYSICAL DESCRIPTION/PROPERTIES

Physical state: Powder

Formula: O3PbS2

Molecular weight: 319.318

Boiling point/range: Not determined

Melting point/range: Not determined

Density: Not determined

Vapor pressure: Not determined

Solubility (in water): Not determined

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 |
|------------------|------------|----------|--------|----------------|
| LEAD THIOSULFATE | N/A | 100 | -- | -- |

5. HAZARDS IDENTIFICATION

Australia Hazardous Statement: Not classified as hazardous according to criteria of NOHSC

Indication of Danger:

None.

Safety Phrases:

S36 - Wear suitable protective clothing.

Poisons schedule No. (Aust)/Toxic Substance (NZ): No Poisons Schedule Number allocated

6. HEALTH HAZARD INFORMATION

HEALTH EFFECTS

EMERGENCY OVERVIEW: May cause skin irritation and/or dermatitis
Principle routes of exposure: Skin
Inhalation: May cause irritation of respiratory tract
Ingestion: May be harmful if swallowed.
Skin contact: May cause allergic skin reaction
Eye contact: Avoid contact with eyes
Statements of hazard MAY CAUSE ALLERGIC SKIN REACTION.

| Components | Australian Exposure Standards - Carcinogens | Australia - Exposure Standards - Short |
|------------------|---|--|
| LEAD THIOSULFATE | Not Listed | Not Listed |

| Components | Australia - Exposure Standards - Skin E | Australia - Exposure Standards - Time W |
|------------------|---|---|
| LEAD THIOSULFATE | Not Listed | Not Listed |

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: Rinse immediately with plenty of water and seek medical advice
Ingestion: Do not induce vomiting without medical advice.
Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Protection of first-aiders: No information available
Notes to physician: None
Medical conditions aggravated by exposure: None known

7. PRECAUTIONS FOR USE

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.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Self-contained breathing apparatus

Hand protection: Pvc disposable gloves

Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect.

Eye protection: Safety glasses

Hygiene measures: Avoid contact with skin, eyes and clothing.



8. SAFE HANDLING INFORMATION

Storage:

ROOM TEMPERATURE

Handling:

Use only in area provided with appropriate exhaust ventilation.

Safe handling advice:

Wear personal protective equipment.

Stability:

Stable under recommended storage conditions.

Polymerization:

None under normal processing.

Hazardous decomposition products:

Sulphur oxides Lead oxides

Materials to avoid:

Strong oxidising agents

Conditions to avoid:

Exposure to air or moisture over prolonged periods.

Spills and Disposal:

Personal precautions:

Use personal protective equipment.

Environmental precautions:

Prevent product from entering drains.

Methods for cleaning up:

Sweep up and shovel into suitable containers for disposal.

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, CO ₂ , 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 |
|------------------|---------------|--------------------------|
| LEAD THIOSULFATE | Not Available | 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: | No data is available on the product itself. |
| Mutagenic effects: | No data is available on the product itself. |
| Reproductive toxicity: | No data is available on the product itself. |

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: |
|------------------|---|--|--------------------------------|
| LEAD THIOSULFATE | Not Listed | Not Listed | Not Listed |

| Components | Germany VCI (WGK) | World Health Organization (WHO) - Drinking Water | Ecotoxicity - Fish Species Data |
|------------------|-------------------|--|---------------------------------|
| LEAD THIOSULFATE | Not Listed | Not Listed | Not Listed |

| Components | Ecotoxicity - Freshwater Algae Data | Ecotoxicity - Microtox Data | Ecotoxicity - Water Flea Data |
|------------------|-------------------------------------|-----------------------------|-------------------------------|
| LEAD THIOSULFATE | Not Listed | Not Listed | Not Listed |

| Components | EPA - ATSDR Priority List | EPA - HPV Challenge Program Chemical List | California - Priority Toxic Pollutants |
|------------------|---------------------------|---|--|
| LEAD THIOSULFATE | Not Listed | Not Listed | Not Listed |

| Components | California - Priority Toxic Pollutants | California - Priority Toxic Pollutants |
|------------------|--|--|
| LEAD THIOSULFATE | Not Listed | Not Listed |

11. TRANSPORT INFORMATION

IMDG/IMO

| | |
|--|----------------|
| IMDG - Hazard Classifications | Not Applicable |
| IMDG - Marine Pollutants | Not Applicable |
| IMDG - Marine Pollutants | Not Applicable |
| IMDG - Regulated Substances | Not Applicable |
| IMDG - Severe Marine Pollutants | Not Applicable |

IMO-labels:

| | |
|------------------------------|---------------|
| Packing group: | None |
| Proper shipping name: | Not Regulated |
| UN/Id No: | Not regulated |

ADR/RID

| | |
|--|--|
| Australia Hazardous Statement: | Not classified as hazardous according to criteria of NOHSC |
| Hazard Class | No Dangerous goods class allocated |
| Item: | LEAD THIOSULFATE |
| ADR/RID-labels: | No Dangerous goods class allocated |
| UN/Id No: | Not regulated |
| Emergency Action Code (Hazchem code): | Not required |
| Proper shipping name: | Not Regulated |

ICAO:

| | |
|------------------------------|------------------------------------|
| Hazard Class | No Dangerous goods class allocated |
| Packing group: | None |
| Proper shipping name: | Not Regulated |

12. REGULATORY INFORMATION**International inventories:**

LEAD THIOSULFATE

Australia (AICS): Not Present**EU EINECS List -** Not Present**Indication of Danger:**

None.

Safety Phrases: S36 - Wear suitable protective clothing.**Poisons schedule No. (Aust)/Toxic Substance (NZ):** Not required**13. OTHER INFORMATION****Prepared by:** Health & Safety

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End of Safety Data Sheet