



Material Safety Data Sheet

Catalog Number: 195303

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
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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: LYSOZYME TYPE VI

Catalog Number: 195303

Synonyms: Muramidase

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):
LYSOZYME TYPE VI 9001-63-2 (100)	Present

3. PHYSICAL DESCRIPTION/PROPERTIES

Physical state: Powder

Formula: Not Available

Boiling point/range: Not determined

Melting point/range: Not determined

Density: Not determined

Vapor pressure: Not determined

Solubility (in water): 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
LYSOZYME TYPE VI	9001-63-2	100	232-620-4	--

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
LYSOZYME TYPE VI	Not Listed	Not Listed

Components	Australia - Exposure Standards - Skin E	Australia - Exposure Standards - Time W
LYSOZYME TYPE VI	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 None known exposure:

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:

0°C

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:

Thermal decomposition can lead to release of irritating gases and vapours such as carbon 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, 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
LYSOZYME TYPE VI	OL5987000	Oral LD50 Mouse : >2 gm/kg

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:
LYSOZYME TYPE VI	Not Listed	Not Listed	Not Listed

Components	Germany VCI (WGK)	World Health Organization (WHO) - Drinking Water	Ecotoxicity - Fish Species Data
LYSOZYME TYPE VI	Not Listed	Not Listed	Not Listed

Components	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Microtox Data	Ecotoxicity - Water Flea Data
LYSOZYME TYPE VI	Not Listed	Not Listed	Not Listed

Components	EPA - ATSDR Priority List	EPA - HPV Challenge Program Chemical List	California - Priority Toxic Pollutants
LYSOZYME TYPE VI	Not Listed	Not Listed	Not Listed

Components	California - Priority Toxic Pollutants	California - Priority Toxic Pollutants
LYSOZYME TYPE VI	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:	LYSOZYME TYPE VI
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:**

LYSOZYME TYPE VI

Australia (AICS):	Present
EU EINECS List -	232-620-4
Korean KECL:	KE-22668

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