



Material Safety Data Sheet

HAZARDOUS

Catalog Number: 101938

Revision date: 09-Mar-2005

Australia Hazardous Statement: **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: HEXESTROL

Catalog Number: 101938

Synonyms: DIHYDRODIETHYLSTILBESTROL

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): S5 Caution.

Recommended use: Research product for non-human use

Component **Australia (AICS):**
HEXESTROL
84-16-2 (100) Not Present

3. PHYSICAL DESCRIPTION/PROPERTIES

Physical state: Powder

Formula: C₁₈H₂₂O₂

Molecular weight: 270.4

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
HEXESTROL	84-16-2	100	201-518-1	Xn

5. HAZARDS IDENTIFICATION

Australia Hazardous Statement: Hazardous according to criteria of NOHSC



Indication of Danger:

Xn - Harmful.

Risk Phrases:

R22 - Harmful if swallowed.

Safety Phrases:

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Category of Danger: Harmful

Poisons schedule No. (Aust)/Toxic Substance (NZ): S5 Caution.

6. HEALTH HAZARD INFORMATION

HEALTH EFFECTS

EMERGENCY OVERVIEW:

Principle routes of exposure:

Inhalation:

Ingestion:

Skin contact:

Eye contact:

Statements of hazard

Harmful by inhalation, in contact with skin and if swallowed.

Skin

Harmful by inhalation.

Harmful if swallowed.

Harmful in contact with skin.

Risk of serious damage to eyes

HARMFUL IF SWALLOWED. MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR INHALED.

Components	Australian Exposure Standards - Carcinogens	Australia - Exposure Standards - Short
HEXESTROL	Not Listed	Not Listed

Components	Australia - Exposure Standards - Skin E	Australia - Exposure Standards - Time W
HEXESTROL	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. Never give anything by mouth to an unconscious person. Consult a physician
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:

Safe handling advice:

Technical measures/storage conditions:

Use only in area provided with appropriate exhaust ventilation.

Wear personal protective equipment.

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

Stability:

Polymerization:

Hazardous decomposition products:

Materials to avoid:

Conditions to avoid:

Stable under recommended storage conditions.

None under normal processing.

Thermal decomposition can lead to release of irritating gases and vapours such as carbon oxides.

Strong oxidising agents

Exposure to air or moisture over prolonged periods.

Spills and Disposal:

Personal precautions:**Environmental precautions:****Methods for cleaning up:****Waste from residues / unused products:**

Use personal protective equipment.

Prevent product from entering drains.

Sweep up and shovel into suitable containers for disposal.

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.

Do not re-use empty containers

Contaminated packaging:**Fire/Explosion Hazards:****Suitable extinguishing media:****Specific hazards:****Unusual hazards:****Special protective equipment for firefighters:**Use dry chemical, CO₂, water spray or "alcohol" foam

Burning produces irritant fumes.

None known

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
HEXESTROL	SL0560850	Oral LD50 Rat : >2 gm/kg Oral LD50 Mouse : 1 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:
HEXESTROL	Not Listed	Not Listed	Not Listed

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

Components	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Microtox Data	Ecotoxicity - Water Flea Data
HEXESTROL	Not Listed	Not Listed	Not Listed

Components	EPA - ATSDR Priority List	EPA - HPV Challenge Program Chemical List	California - Priority Toxic Pollutants
HEXESTROL	Not Listed	Not Listed	Not Listed

Components	California - Priority Toxic Pollutants	California - Priority Toxic Pollutants
HEXESTROL	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:	Hazardous according to criteria of NOHSC
Hazard Class	No Dangerous goods class allocated
Item:	HEXESTROL
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:

HEXESTROL	
Australia (AICS):	Not Present
EU EINECS List -	201-518-1; C18H22O2
Philippines PICCS:	Present
Indication of Danger:	
Xn - Harmful.	



Risk Phrases: R22 - Harmful if swallowed.

Safety Phrases: .

Safety Combination Phrases:

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Poisons schedule No. (Aust)/Toxic Substance (NZ): S5 Caution.

13. OTHER INFORMATION

Prepared by: Health & Safety

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End of Safety Data Sheet