

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
cis(Z)-FLUPENTHIXOL DIHYDROCHLORIDE	2413-38-9	100	219-321-4	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:

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S46 - If swallowed, seek medical advice immediately and show this container or label.

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

Category of Danger: Harmful

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

6. HEALTH HAZARD INFORMATION

HEALTH EFFECTS

EMERGENCY OVERVIEW:

Principle routes of exposure:

Inhalation:

Ingestion:

Skin contact:

Eye contact:

Statements of hazard

Harmful if swallowed.

Skin

May be harmful if inhaled.

Harmful if swallowed.

May be harmful if absorbed through the skin.

Avoid contact with eyes

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

Components	Australian Exposure Standards - Carcinogens	Australia - Exposure Standards - Short
cis(Z)-FLUPENTHIXOL DIHYDROCHLORIDE	Not Listed	Not Listed

Components	Australia - Exposure Standards - Skin E	Australia - Exposure Standards - Time W
cis(Z)-FLUPENTHIXOL DIHYDROCHLORIDE	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:

Safe handling advice:

Use only in area provided with appropriate exhaust ventilation.

Wear personal protective equipment.

Stability:

Polymerization:

Stable under recommended storage conditions.

None under normal processing.

Hazardous decomposition products: Chloride/Hydrochloric acid Nitrogen oxides (NOx)/ammonia/CN- Sulphur oxides
Materials to avoid: Fluorine (F-)
Conditions to avoid: Strong oxidising agents
 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
cis(Z)-FLUPENTHIXOL DIHYDROCHLORIDE	XO0740000	= 423 mg/kg Oral LD50 Mouse = 791 mg/kg Oral LD50 Rat

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:
cis(Z)-FLUPENTHIXOL DIHYDROCHLORIDE	Not Listed	Not Listed	Not Listed

Components	Germany VCI (WGK)	World Health Organization (WHO) - Drinking Water	Ecotoxicity - Fish Species Data
cis(Z)-FLUPENTHIXOL DIHYDROCHLORIDE	Not Listed	Not Listed	Not Listed

Components	Ecotoxicity - Freshwater Algae Data	Ecotoxicity - Microtox Data	Ecotoxicity - Water Flea Data
cis(Z)-FLUPENTHIXOL DIHYDROCHLORIDE	Not Listed	Not Listed	Not Listed

Components	EPA - ATSDR Priority List	EPA - HPV Challenge Program Chemical List	California - Priority Toxic Pollutants
cis(Z)-FLUPENTHIXOL DIHYDROCHLORIDE	Not Listed	Not Listed	Not Listed

Components	California - Priority Toxic Pollutants	California - Priority Toxic Pollutants
cis(Z)-FLUPENTHIXOL DIHYDROCHLORIDE	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:	cis(Z)-FLUPENTHIXOL DIHYDROCHLORIDE
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:

cis(Z)-FLUPENTHIXOL DIHYDROCHLORIDE

Australia (AICS): Not Present

EU EINECS List - 219-321-4

Indication of Danger:

Xn - Harmful.



Risk Phrases: R22 - Harmful if swallowed.

Safety Phrases: S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46 - If swallowed, seek medical advice immediately and show this container or label.

Safety Combination Phrases:

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

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