

SAFETY DATA SHEET

Dolorex

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Section 1: Identification of the Substance and Supplier

Product name	Dolorex
Recommended use	Centrally acting narcotic agonist-antagonist analgesic.
Company details	Schering-Plough Animal Health Ltd 33 Whakatiki Street, Upper Hutt 5018, New Zealand Phone: 0800 800 543 – Fax: 0800 808 100 Website: www.msd-animal-health.co.nz Hours: 8 am – 5 pm, Mon – Fri
Emergency telephone	0800 764 766 (0800 POISON) 24 hours human health 0800 243 622 (0800 CHEMCALL) 24 hours
Date of preparation	April 2019

Section 2: Hazards Identification

Hazard classifications	6.9B: Target organ systemic toxicant
GHS Pictogram:	
Signal word	Warning
Hazard statement	H373: May causes damage to blood and the haematopoietic system through prolonged or repeated oral exposure.
Prevention statement	P102: Keep out of the reach of children. P103: Read label before use. P260: Do not breathe mist.
Response statement	P314: Get medical advice/attention if you feel unwell.
Disposal	P501: Dispose of product, packaging and waste at an approved landfill or other approved facility.

Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
Butorphanol tartrate	58786-99-5	0.019g/mL

Section 4: First Aid Measures

Necessary first aid measures

ACCIDENTIAL INJECTION Wash and disinfect self injection injuries. Seek medical advice if irritancy or an allergic response occurs – show this SDS.

SKIN CONTACT While wearing protective gloves, carefully remove any contaminated clothing, including shoes, and wash skin thoroughly with soap and water. If irritation or symptoms occur or persist, consult a doctor.

EYE CONTACT Immediately rinse eyes thoroughly with plenty of water. If wearing contact lenses, remove only after initial rinse, and continue rinsing eyes for at least 15 minutes. If irritation occurs or persists, consult a doctor.

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INGESTION Rinse mouth and drink a glass of water. Do not induce vomiting unless under the direction of a qualified medical professional or National Poisons Centre. If symptoms persist, consult a doctor.

Required instructions	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.
Notes for medical personnel	Butorphanol is a potent analgesic with appreciable narcotic antagonist activity. Butorphanol is absorbed orally or parentally. The human therapeutic dose is 1-4mg IM or 0.2-2mg IV. Peak plasma concentration occurs ½ - 1 hour after IM injection and 1-1½ hours after oral administration. Pharmacological effect lasts 3-4 hrs. For gross over dosage, Naloxone is the specific antagonist.
Workplace facilities	Emergency showers and eyewashes may be warranted depending on quantity and type of use.

Section 5: Fire Fighting Measures

Type of hazard	Not classified as flammable
Fire hazard properties	Not applicable
Regulatory requirements	Not applicable
Extinguishing media and methods	Carbon dioxide (CO ₂), extinguishing powder or water spray
Hazchem code	None allocated
Recommended protective clothing	Wear self-contained breathing apparatus (SCBA) plus protective gloves.

Section 6: Accidental Release Measures

Personal Precautions	Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental Precautions	Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes. Avoid release to the environment.
Emergency procedures	Wear chemical resistant gloves and overalls, facemask or goggles. Prevent further spillage. Adsorb spilled product and place in sealable container for disposal. Wash down affected area with water plus detergent. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the local authority regarding disposal.

Section 7: Handling and Storage

Precautions for safe handling	Avoid contact with skin, eyes, and mucosa. Keep containers adequately sealed during material transfer, transport, or when not in use. See Section 8 (Exposure Controls) for additional guidance.
Regulatory requirements	None specified.
Handling practices	Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.
Certified handlers	Not required.

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Conditions for safe storage	Store in original container in a cool, dry, ventilated place away from direct heat or direct sunlight. Keep container sealed when not in use. Keep out of reach of children.
Store site requirements	Store in original container and below 25°C.
Packaging	Schedule 4

Section 8: Exposure Control/Personal Protection

Occupational exposure limits	No WES is set for this substance at this time.
Application in the workplace	Ensure adequate ventilation. Keep container sealed when not in use.
Exposure standards outside the workplace	No TEL is set for this substance at this time No EEL is set for this substance at this time
Personal protection	Wear chemical resistant gloves, facemask or goggles.

Section 9: Physical and Chemical Properties

Appearance	Clear solution
Boiling Point	Approximately 100°C
Melting Point	Approximately 0°C
Vapour Pressure	2.37 kPa at 20°C
Specific Gravity	1.114
Solubility (H ₂ O)	Completely soluble in water
Percent Volatiles	Not determined
Evaporation Rate	Not determined

Section 10: Stability and Reactivity

Stability of the substance	Stable under normal conditions.
Conditions to avoid	Avoid high temperatures
Material to avoid	Avoid food products
Hazardous decomposition products	No dangerous decomposition is expected.

Section 11: Toxicological Information

Acute effects for individual ingredients only

ORAL	Butorphanol: Orally 10mg/kg gives slight cardiovascular and respiratory depression. NOAEL 0.3mg.kg bw/day Rat oral LD50 = 315mg/kg
TEL	No TELs are set for this substance at this time.

Chronic/long term effects for individual ingredients only

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Section 12: Environmental Information**Effects for individual ingredients only.**

EEL	No EEL is set for this substance at this time.
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Section 13: Disposal Considerations**Disposal information****Disposal**

Dispose of unused contents in a suitable landfill. Where possible, dispose of unused product through AgRecovery Chemicals. Avoid contamination of any water source or the environment with product or empty container.

Container Disposal

Dispose of empty container by puncturing and burying in a suitable landfill. Where possible, recycle through AgRecovery. Do NOT burn.

Needle Disposal

Discarded needles should immediately be placed in a designated and appropriately labelled 'sharps' container.

Reference

Current version of NZS 8409 Management of Agrichemicals

Section 14: Transport Information**Relevant information**

Not classified as a dangerous good for transport

Section 15: Regulatory Information**Regulatory status**

HSNO Approval Code: HSR001963.
For a full listing of controls see www.epa.govt.nz

ACVM registration number: A06877
For conditions of registration see www.foodsafety.govt.nz

RESTRICTED VETERINARY MEDICINE**Section 16: Other Information****Additional information**

Dolorex is a trademark.

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