Section 1 - Product and Company Information

Product Name: Puromycin

Cat. Code: ant-pr-1, ant-pr-5

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San Diego, California 92121, USA
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Company identification:
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31400 Toulouse, FRANCE
+33 (0) 5 62 71 69 39

Emergency number: ORFILA (INRS): +33 (0) 1 45 42 59 59

Disclaimer: This product is supplied for research and laboratory use only. Not for drug, household or other uses.

Section 2 - Hazards Identification

Emergency Overview:
OSHA Hazards
Target organ effect: Harmful by ingestion.
Target Organs: Lungs.

GHS classification
Acute toxicity, Oral (Category 4)

GHS Label elements, including precautionary statements

Pictogram

Signal word - Warning

Hazard statement
H302 Harmful if swallowed.

Precautionary statements
P264 Wash skin thoroughly after handling.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Section 3 – Composition/Information on Ingredient

Substance Name: Puromycin hydrochloride
CAS #: 58-58-2

Section 4 – First Aid Measures

General advice: Consult a physician. Show this material safety data sheet to the doctor in attendance.
After skin contact: Immediately wash skin with soap and plenty of water. Consult a physician.
After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth with water provided person is conscious. Consult a physician.
After inhalation: Remove to fresh air. If not breathing give artificial respiration. Consult a physician.
After eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

Section 5 – Fire Fighting Measures

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.
Specific hazards arising from the chemical: Hazardous decomposition products formed under fire conditions; carbon oxides and nitrogen oxides.
Special Firefighting Procedures: Wear self-contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measures

Personal precautions: Wear protective equipment. Keep unprotected persons away. Avoid dust formation.
Method for Cleaning Up: Absorb on sand or vermiculite and place in closed containers for disposal. Dispose contaminated material as waste according to section 13. Ventilate area and wash spill site after material clean-up is complete.

Section 7 – Handling and Storage

Handling: Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.
User Exposure: Avoid inhalation. Use personal protective equipment (i.e. impermeable gloves, lab coat or apron).
Storage: Store at -20°C.

Section 8 – Exposure Controls / PPE

Personal protective equipment
Respiratory protection
Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU),
General Hygiene Measures: Wash hands thoroughly after handling.

Section 9 – Physical / Chemical Properties

Appearance
Physical state: Liquid
Color: Faint yellow color

Safety Data
Odor: No data available
Odor threshold: No data available
pH: No data available
Melting point/freezing point: No data available
Initial boiling point and boiling range: No data available
Flash point: No data available
Evaporation rate: No data available
Flammability: No data available
Upper/lower flammability or explosive limits: No data available
Vapor pressure: No data available
Relative density: No data available
Solubility: No data available
Partition coefficient: a-octanol/water: No data available
Autoignition temperature: No data available
Deposition temperature: No data available
Viscosity: No data available

Section 10 – Stability and Reactivity

Stability: Stable
Hazardous Polymerization: Will not occur
Materials to avoid: Strong oxidizing agents
Hazardous Decomposition Products: Nature of decomposition products are not hazardous.

Section 11 – Toxicological Information

Acute toxicity:
LD50 Oral: 720 mg/kg mouse.
Skin irritation/corrosion: No data available.
Serious eye damage/eye irritation: No data available.
Respiratory or skin sensitization: No data available.
Reproductive cell mutagenicity: No data available.
Additional information: RTECS: AU7355000

Section 12 – Ecological Information

Ecotoxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.

Section 13 – Disposal Considerations

Product: Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Must not be disposed of together with household garbage.
Contaminated Packaging: Dispose of as unused product.

Section 14 – Transport Information

ADR/RID: Not dangerous goods
DOT (US): Not dangerous goods
IATA: Not dangerous goods
IMDG: Not dangerous goods

Section 15 – Regulatory Information

OSHA Hazards Target Organ Effect. Harmful by ingestion.

SARA 302 Component: None of the ingredients are listed.
SARA 313 Component: None of the ingredients are listed.
SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard.
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

15.2 Chemical Safety Assessment
no data available

Section 16 – Other Information

The information contained in this MSDS relates only to the material(s) designated and does not relate to use(s) in combination with any other material, process(es) and/or chemical reaction(s). InvivoGen provides this information in good faith and is based on our present knowledge. This MSDS is provided without warranty of any kind. The recipient is responsible for ensuring that, where applicable, existing laws and guidelines are observed.