

## **Section 1 - Product and Company Information**

<b>Product Name:</b>	<b>Puromycin</b>
<b>Cat. Code:</b>	ant-pr-1, ant-pr-5 InvivoGen, 3950 Sorrento Valley Blvd, Suite 100 San Diego, California 92121, USA (+1) 858 457 5873
<b>Company identification:</b>	Cayla-InvivoGen, 5 rue Jean Rodier 31400 Toulouse, FRANCE +33 (0) 5 62 71 69 39
<b>Emergency number:</b>	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: n-octanol/water: No data available  
Autoignition temperature: No data available  
Decomposition 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.