

# Eperisone Hydrochloride: sc-211415



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Eperisone Hydrochloride  
**Product Number:** sc-211415  
**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 95060  
800.457.3801 or 831.457.3800  
**Emergency:** ChemWatch  
Within the US & Canada: 877-715-9305  
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

### 2. HAZARDS IDENTIFICATION

GHs CLASSIFICATION : Acute toxicity-Oral: Category 4



HAZARD SYMBOL :

#### WARNING

HAZARD STATEMENTS : H302 Harmful if swallowed  
PRECAUTIONARY STATEMENTS : P264 Wash thoroughly after handling.  
EU CLASSIFICATION: according to Directive 67/548/EEC.  
SYMBOL : Xn  
R-phrase : R22 Harmful if swallowed.  
S-phrase : S28 After contact with skin, wash immediately with plenty of soap and water.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL IDENTITY: Eperisone Hydrochloride (mixture of isomers)  
SYNONYMS : 1-Propanone, 1-(4-ethylphenyl)-2-methyl-3-(1-piperidinyl)-, hydrochloride ;  
Propiophenone, 4'-ethyl-2-methyl-3-piperidino-, hydrochloride  
FORMULA : C<sub>17</sub>H<sub>25</sub>NO . HCl  
MOLECULAR WEIGHT : 295.85  
CAS NUMBER : 56839-43-1  
TSCA INVENTORY : Not available  
EINECS No. : Not listed  
EC INDEX NUMBER : Not listed

### 4. FIRST AID MEASURES

**GENERAL ADVICE:** Wash off immediately with soap and plenty of water. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment.

**INHALATION:** Move victim to fresh air. If breathing is difficult, give oxygen. If irritation persists, consult a physician.

**SKIN CONTACT:** Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. If irritation persists, consult a physician.

**EYE CONTACT:** Remove any contact lenses at once. Flush eyes well with a large amount of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician.

**INGESTION:** Rinse mouth, give plenty of water to dilute the substance. Never give anything by mouth to an unconscious person. Consult a physician.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical powder, foam, water

**FIRE & EXPLOSION HAZARDS:** Toxic, irritating dust or smoke may be emitted.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:** Firemen should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Remove ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising dust and avoid contact with skin and eyes.

**ENVIRONMENTAL PRECAUTIONS:** Prevent spills from entering sewers, watercourses or low areas.

**METHODS FOR CLEANING UP:** Do not touch spilled material without suitable protection (See section 8). After material is completely picked up, wash the spill site with soap and water and ventilate the area. Put all wastes in a plastic bag for disposal and seal it tightly. Remove, clean, or dispose of contaminated clothing.

## 7. HANDLING AND STORAGE

**PRECAUTION FOR SAFE HANDLING:** Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Handle material with suitable protection.

**CONDITIONS FOR SAFE STORAGE:** Store away from sunlight in a cool (below 25 °C = 77 °F) well-ventilated dry place. Keep container tightly closed.

**INCOMPATIBILITIES:** Oxidizers

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING MEASURES:** Use exhaust ventilation to keep airborne concentrations below exposure limits. Use only with adequate ventilation.

**VENTILATION:**

**Local Exhaust:**

Necessary, Mechanical (General) ; Recommended

**INDIVIDUAL PROTECTION MEASURES:**

**Respiratory protection:**

Use a NIOSH/MSHA or European Standard EN149 approved respirator if the vapor concentrations exceed regulatory guidelines.

**Hand protection:** Chemical resistant gloves

**Eye protection:** Safety glasses(goggles)

**Skin protection:** Protective clothing

**CONTROL PARAMETER:**

OSHA Final Limits: None established

ACGIH TLV(s): None established

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	crystalline powder	pH:	Not available
MELTING POINT:	Not available	FLASH POINT:	Not available
INITIAL BOILING POINT:	387 °C = 729 °F/760 mmHg	FLAMMABILITY (solid, gas):	Not available
EXPLOSIVE LIMITS:	Not available	VAPOR PRESSURE:	Not available
SPECIFIC GRAVITY:	Not available	SOLUBILITY IN WATER:	Not available
PARTITION COEFFICIENT:	Not available	DECOMPOSITION TEMPERATURE:	Not available

## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under recommended storage conditions.

**CONDITIONS TO AVOID:** Sunlight, heat

**INCOMPATIBLE MATERIALS:** Oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, nitrogen oxides, hydrogen chloride

## 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY (oral/dermal/inhalation)

LD50 (orl, rat)

1002 mg/kg (RTECS);

Sense Organs and Special Senses (Eye) – lacrimation

Autonomic Nervous System – smooth muscle relaxant (mechanism undefined, spasmolytic)

Behavioral – convulsions or effect on seizure threshold

LD50 (orl, mouse)

324 mg/kg (RTECS)

TDLo (skin, rat)

1.39 mg/kg/1H (RTECS)

Behavioral – muscle weakness\

TOXICITY DATA: May be harmful if inhaled and ingested.

SKIN CORROSION/IRRITATION: May cause skin irritation.

EYE DAMAGE/EYE IRRITATION: May cause eye irritation.

RESPIRATORY OR SKIN SENSITIZATION: Not available

GERM CELL MUTAGENICITY: Not available

TOXIC TO REPRODUCTION: Not available

STOST-SINGLE EXPOSURE: Not available

STOST-REPEATED EXPOSURE: Not available

ASPIRATION TOXICITY: Not available

CARCINOGENICITY: Not available

ADDITIONAL INFORMATION ;

NTP: Not listed

IARC: Not listed

OSHA: Not listed

ACGIH: Not listed

Compound Descriptor (RTECS): Drug

## 12. ECOLOGICAL INFORMATION

ECOTOXICITY: Not available

PERSISTENCE AND DEGRADABILITY: Not available

BIOACCUMULATION POTENTIAL: Not available

MOBILITY IN SOIL: Not available

OTHER ADVERSE EFFECTS: Not available

## 13. DISPOSAL CONSIDERATION (INCLUDING CONTAINER)

Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmental agency for specific rules). After contents are completely removed, dispose of its container in accordance with local/regional/national/international regulation.

## 14. TRANSPORT INFORMATION

IATA: Not Restricted.

MARINE POLLUTANT: No

DOT (Department of Transportation): Not a Hazardous Material for DOT shipping.

## 15. REGULATORY INFORMATION

EU CLASSIFICATION:

Labelling according to EC Directives: See Section 2

US REGULATIONS

EPA: CERCLA RQ: Not listed

EPCRA TPQ: Not listed

OSHA: TQ: Not listed

## 16. OTHER INFORMATION

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*

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