

S-Ethylisothiourea HBr: sc-200351



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: S-Ethylisothiourea HBr
Product Number: sc-200351
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

Classification according to Regulation (EC) No 1272/2008

Acute Toxicity, Oral (Category 3)

Single Target Organ Toxicity-Single Exposure (Category 3)

Labeling according to Regulation (EC) No 1272/2008:

The substance is classified and labelled according to the CLP regulation.

Pictograms



Signal word

Warning

Hazard statements

H301

Toxic if swallowed.

H335

May cause respiratory irritation.

Precautionary statements

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

P301+P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P321

Specific treatment (see on this label).

P304+P340

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P405

Store locked up.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Hazard statements

Toxic, Irritant



Hazard codes

Xi; T

Risk codes and phrases

R25

Toxic if swallowed

R37

Irritating to respiratory system.

Information concerning particular hazards for human and environment

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: 2-ethyl-2-thio-pseudourehydrobromide
Formula: C₃H₈N₂S·HBr
Molecular weight: 185.09
CAS #: 1071-37-0

4. FIRST AID MEASURES

General advice

Immediately remove any clothing soiled by the product. In case of irregular breathing or respiratory arrest provide artificial respiration.

If inhaled

In case of unconsciousness place patient stably in side position for transportation.

In case of skin contact

Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing.

In case of eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

If swallowed

Do not induce vomiting; call for medical help immediately.

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Hazardous combustion products

No further relevant information available.

Special protective equipment for firefighters

Mouth respiratory protective device. Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases. Wear fully protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid formation of dust. Wear protective clothing.

Environmental precautions

No special measures required.

Methods and materials for containment and clean up

Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

7. HANDLING AND STORAGE

Precautions for safe handling

No special precautions are necessary if used correctly.

Conditions for safe storage

Store tightly sealed in a cool, dry and well ventilated location (see label for storage temperature and additional specific information). Keep away from heat, sources of ignition and incompatibles such as oxidizing agents. Keep container tightly sealed. Store under lock and key and with access restricted to technical experts or their assistants only. Store at room temperature.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection

Wear protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection

Safety glasses.

Hygiene measures

Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid	Odor	Characteristic
Odor threshold	Not determined.	pH-value	Not applicable
Melting point/Melting range	Undetermined.	Boiling point/Boiling range	Undetermined.
Flash point	Not applicable.	Flammability (solid, gaseous)	Not flammable.
Decomposition temperature	Not determined.	Self-igniting:	Not determined.
Lower explosion limit	Not determined.	Upper explosion limit	Not determined.
Vapor pressure	Not applicable.	Density	Not determined.
Relative density	Not determined.	Vapor density	Not applicable.
Evaporation rate	Not applicable.	Solubility (water)	Not determined.
Viscosity	Not applicable.	Partition coefficient	Not determined.
Danger of Explosion	No hazard.	(n-octanol/water)	

10. STABILITY AND REACTIVITY

Chemical stability

Stable.

Materials to avoid

Avoid strong oxidizing agents.

Thermal decomposition

No decomposition if used according to specifications.

Conditions to avoid

No further relevant information available.

Hazardous decomposition products

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Selected LD50 and LC50s: LD50 - Oral - 100 mg/kg (rat)
LD50 - Intraperitoneal - 185 mg/kg (mouse)

Primary irritant effect:

on the skin: Not determined.

on the eye: Not determined.

Sensitization

No sensitizing effects known.

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic - no data available

Bioaccumulative potential

no data available

PBT and vPvB assessment

Not applicable

Persistence and degradability

no data available

Mobility in soil

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

Product

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contaminated packaging

Disposal must be made according to official regulations.

14. TRANSPORTATION INFORMATION

UN-Number UN2811
UN proper shipping name 2811 TOXIC SOLID, ORGANIC, N.O.S. (S-Ethyl-ITU hydrobromide)
Transport hazard class(es) 6.1 Toxic Substances
Label 6.1
Packing group III
Environmental hazards
Marine pollutant: No
Special precautions: Warning: Toxic Substances
Danger Code: 60

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

Transport Additional Information

ADR

Transport category 2
Tunnel restriction code E

UN "Model Regulation"

UN2811, TOXIC SOLID, ORGANIC, N.O.S. (S-Ethyl- ITU hydrobromide), 6.1, III

15. REGULATORY INFORMATION

Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

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.

11/25/2013