

Piericidin A: sc-202287



The Power to Question

MATERIAL SAFETY DATA SHEET

1 Identification of the substance/mixture and of the company/undertaking

Product Name: Piericidin A
Catalog Number: sc-202287
CAS Number: 2738-64-9
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 of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
GHS06



Acute Toxicity 1

H300 Fatal if swallowed.
H310 Fatal in contact with skin.
H330 Fatal if inhaled.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC
T+; Very toxic



R26/27/28 Very toxic by inhalation, in contact with skin and if swallowed.

Information concerning particular hazards for human and environment: Not applicable.

Label elements

Labeling according to Regulation (EC) No 1272/2008: The substance is classified and labelled according to the CLP regulation.

Hazard pictograms
GHS06



Signal word Danger

Hazard statements

H300 Fatal if swallowed.
H310 Fatal in contact with skin.
H330 Fatal if inhaled.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P320 Specific treatment is urgent (see on this label).

P361	Remove/Take off immediately all contaminated clothing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Substances

Molecular formula: C₂₅H₃₇NO₄

Molecular weight: 415.57

Identification number(s): Not applicable

4 First aid measures

Description of first aid measures

General information: Immediately remove any clothing soiled by the product. Remove breathing equipment only after contaminated clothing have been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration.

After inhalation: Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Seek medical attention if symptoms appear.

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

After ingestion: Do not induce vomiting; call for medical help immediately.

Information for doctor

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

Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters

Protective equipment: 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, protective equipment and emergency procedures: Avoid formation of dust. Wear protective clothing.

Environmental precautions: No special measures required.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

Reference to other sections: See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and storage

Handling

Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

Information about fire - and explosion protection: Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: Store tightly sealed in a cool, dry and well ventilated location. Store at -20° C.

Information about storage in one common storage facility: Keep away from heat, sources of ignition and incompatibles such as oxidizing agents.

Further information about storage conditions: Keep container tightly sealed. Store under lock and key and with access restricted to technical experts or their assistants only.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.

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.

Protection of hands



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves: 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.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection



Tightly sealed goggles

9 Physical and chemical properties

Form	Oil	Odor	Characteristic
Odor threshold	Not determined	pH-value	Not determined
Melting point/Melting range	Undetermined	Boiling point/Boiling range	Undetermined
Flash point	Not applicable	Flammability (solid, gaseous)	Not applicable
Decomposition temperature	Not determined	Self-igniting	Not determined
Explosion limits lower	Not determined	Explosion limits upper	Not determined
Vapor pressure	Not determined	Density	Not determined
Relative density	Not determined	Vapor density	Not determined

Evaporation rate	Not determined	Solubility in/ Miscibility (H ₂ O)	Not determined
Dynamic viscosity	Not determined	Kinematic viscosity	Not determined
Segregation coefficient: (n-octanol/water)	Not determined		

Danger of explosion: Product does not present an explosion hazard.

Other information: No further relevant information available.

10 Stability and reactivity

Reactivity

Chemical stability: Stable. Avoid strong oxidizing agents.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification:

Oral LD50: 3,17 mg/kg (mouse)

Dermal LD50: 2,52 mg/kg (mouse)

LD50: 0,87 mg/kg (mouse) (intraperitoneal)

Primary irritant effect

on the skin: Not determined

on the eye: Not determined

Sensitization: No sensitizing effects known.

Additional toxicological information: Danger through skin adsorption.

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behavior in environmental systems

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

13 Disposal considerations

Waste treatment methods

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

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

14 Transport information

DOT(US)

UN-Number: 3172

Class: 6.1

Packing group: I

Proper shipping name: Toxins, extracted from living sources, liquid, n.o.s. (Piericidin A from Streptomyces species)

Marine pollutant: No

Poison Inhalation Hazard: No

IMDG

UN-Number: 3172

Class: 6.1

Packing group: I

Proper shipping name: Toxins, extracted from living sources, liquid, n.o.s. (Piericidin A from Streptomyces species)

Marine pollutant: Marine pollutant

IATA

UN-Number: 3172

Class: 6.1

Packing group: I

Proper shipping name: Toxins, extracted from living sources, liquid, n.o.s. (Piericidin A from Streptomyces species)

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.

4/16/2012