

Bafilomycin C1: sc-202073



The Power to Question

MATERIAL SAFETY DATA SHEET

1 Product and Company Identification

PRODUCT NAME: Bafilomycin C1
CATALOG CODE: sc-202073
SYNONYMS: 2-Demethyl-2-methoxy-24-methylhygrolidin
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 Tox. 2H300 Fatal if swallowed.

Acute Tox. 1H310 Fatal in contact with skin.

Acute Tox. 1H330 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

Labelling 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.

P310 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 Weight: 720.88

<i>Formula:</i>	<i>CAS #</i>	<i>EC #</i>	<i>Annex I Index #</i>
Bafilomycin C1 C39H60O12	88979-61-7	-	-

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.

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: 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: Thorough dedusting. 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 (see label for storage temperature and additional specific information).

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. May undergo transformation to methyl ketal on long term storage in methanol. We recommend to use fresh solutions. Protect from light. Store at -20° C.

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: Not required.

9 Physical and chemical properties

Information on basic 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	Decomposition temperature	Not determined
Self-igniting	Not determined	Vapor pressure	Not applicable
Relative density	Not determined	Vapor density	Not applicable
Evaporation rate	Not applicable	Density	Not determined
Dynamic Viscosity	Not applicable	Kinematic Viscosity	Not applicable
Lower Explosion limits	Not determined	Upper Explosion limits	Not determined
Flammability (solid, gaseous)	Product is not flammable		

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

Solubility in / Miscibility with water: Not determined.

Segregation coefficient (n-octanol/water): Not determined.

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

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: 3462

Class: 6.1

Packing group: I

Proper shipping name: Toxins, extracted from living sources, solid, n.o.s (Bafilomycin B1 from Streptomyces species)

Marine pollutant: No

Poison Inhalation Hazard: No

IMDG

UN Number: 3462 Class: 6.1 Packing group: I EMS-No: F-A, S-A
Proper shipping name: TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID, N.O.S (Bafilomycin B1 from Streptomyces species)
Marine pollutant: Marine pollutant

IATA

UN Number: 3462 Class: 6.1 Packing group: I
Proper shipping name: Toxins, extracted from living sources, solid, n.o.s (Bafilomycin B1 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.

1/25/2012