

# SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc. Revision date 15-Dec-2017 Version 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

## Product identifier

Product Name Product Code 3-(Methylthio)propionic acid SC-275849

**Recommended use of the chemical and restrictions on use** For research use only. Not intended for diagnostic or therapeutic use.

#### Details of the supplier of the safety data sheet

Santa Cruz Biotechnology, Inc. 10410 Finnell Street Dallas, TX 75220 831.457.3800 800.457.3801 scbt@scbt.com Emergency telephone number Chemtrec 1.800.424.9300 (Within USA) +1.703.527.3887 (Outside USA)

## 2. HAZARDS IDENTIFICATION

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### Classification

Skin corrosion/irritation Serious eye damage/eye irritation

Label elements Signal word Hazard statements Symbols/Pictograms

Precautionary Statements - Prevention

Precautionary Statements - Response

Precautionary Statements - Storage Precautionary Statements - Disposal Category 1 Sub-category C Category 1

Danger Causes severe skin burns and eye damage



Do not breathe dust/fume/gas/mist/vapors/spray Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection Immediately call a POISON CENTER or doctor/physician IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsina Immediately call a POISON CENTER or doctor/physician IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician IF SWALLOWED: Rinse mouth. DO NOT induce vomiting Store locked up Dispose of contents/container to an approved waste disposal plant



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## Hazards not otherwise classified (HNOC)

Hazards not otherwise classified (HNOC)

Not applicable

## **Other Information**

Unknown acute toxicity

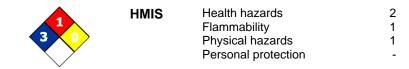
NFPA

Health hazards Flammability Stability

Physical and chemical

properties

100% of the mixture consists of ingredient(s) of unknown toxicity.



## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

CAS No Molecular Weight Formula	646-01-5 120.17 C₄H₀O₂S		

Chemical Name	CAS No	Weight %	Oral LD50	Dermal LD50	Inhalation LC50
3-(Methylthio)propionic acid	646-01-5	>98	-	-	-

## **4. FIRST AID MEASURES**

First Aid Measures	
General advice	Consult a physician if necessary. Remove to fresh air.
Eye contact	Wash with plenty of water.
Skin Contact	Wash skin with soap and water.
Inhalation	Remove to fresh air If breathing is difficult, give oxygen If not breathing, give artificial respiration
Ingestion	Never give anything by mouth to an unconscious person. Clean mouth with water.
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## Most important symptoms and effects, both acute and delayed

No information available. Symptoms

Indication of any immediate medical attention and special treatment needed Treat symptomatically. Note to physicians

## 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Suitable Extinguishing Media Unsuitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. None.
Specific hazards arising from th Specific hazards arising from the	e chemical No information available.
chemical Hazardous combustion products	Carbon oxides.
Explosion data Sensitivity to Mechanical Impact Sensitivity to Static Discharge	No information available. No information available.



#### Protective equipment and precautions for firefighters

Protective equipment and precautions As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

#### **Environmental precautions**

Environmental precautions

See Section 12 for additional Ecological Information.

#### Methods and material for containment and cleaning up

Methods for containment Methods for cleaning up Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

<b>Precautions for safe handling</b> Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice.
Conditions for safe storage, inclusions	luding any incompatibilities Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room
Incompatible materials	temperature. None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Control parameters</b> Exposure Guidelines	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Appropriate engineering control Engineering Controls	<b>s</b> Showers Eyewash stations
Individual protection measures, Eye/face protection	Ventilation systems <b>such as personal protective equipment</b> Wear safety glasses with side shields (or goggles).
Skin and Body Protection Respiratory protection	Wear protective gloves and protective clothing. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** 

liquid



Appearance Odor

#### **Property**

pН Melting point/freezing point Boiling point Flash point Density Evaporation rate Upper flammability limits Lower flammability limit Vapor pressure Vapor density Specific gravity Water solubility Solubility in other solvents Partition coefficient Autoignition temperature Decomposition temperature Kinematic viscosity Explosive properties Oxidizing properties

No information available unpleasant

#### Values\_

No information available 16 °C 130 °C 104 °C 1.16 g/mL No information available No information available No information available 0 mmHg No information available 1.16 No information available No information available 0.66 No information available No information available No information available No information available No information available

## **10. STABILITY AND REACTIVITY**

Reactivity	Not applicable
Chemical stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	No information available.
Conditions to avoid	Extremes of temperature and direct sunlight.
Incompatible materials	Strong oxidizing agents
Incompatible materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon oxides.

## **11. TOXICOLOGICAL INFORMATION**

#### Information on likely routes of exposure

Inhalation	No data available.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

Information on toxicological effects Symptoms No information available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure Chronic Toxicity No information available.

## Numerical measures of toxicity - Product Information Unknown acute toxicity 100% of the mixture consists of ingredient(s) of unknown toxicity

### **12. ECOLOGICAL INFORMATION**

Ecotoxicity

May cause long lasting harmful effects to aquatic life



100% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Persistence and degradability Bioaccumulation Mobility No information available. No information available. No information available.

## **13. DISPOSAL CONSIDERATIONS**

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container.
US EPA Waste Number	D002

## **14. TRANSPORT INFORMATION**

DOT UN/ID no Hazard Class Packing Group Proper shipping name Description Emergency Response Guide Number	UN3265 8 III Corrosive liquid, acidic, organic, n.o.s. UN3265, Corrosive liquid, acidic, organic, n.o.s., 8, III 153
IMDG UN/ID no Hazard Class Packing Group Proper shipping name Description Special Provisions EmS-No	UN3265 8 III Corrosive liquid, acidic, organic, n.o.s. UN3265, Corrosive liquid, acidic, organic, n.o.s., 8, III 223, 274 F-A, S-B
IATA UN/ID no Hazard Class Packing Group Proper shipping name Description	UN3265 8 III Corrosive liquid, acidic, organic, n.o.s. UN3265, Corrosive liquid, acidic, organic, n.o.s., 8, III

## **15. REGULATORY INFORMATION**

#### International Inventories

All of the components in the product are on the following Inventory lists

Europe (EINECS/ELINCS/NLP) Australia (AICS) Philippines (PICCS)

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
3-(Methylthio)propionic acid	-	-	-	Х	-	-	-	-	Х	Х

X - Listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances



ENCS - Japan Existing and New Chemical Substances IECSC - China Inventory of Existing Chemical Substances KECL - Korean Existing and Evaluated Chemical Substances PICCS - Philippines Inventory of Chemicals and Chemical Substances

#### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### US State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

## **16. OTHER INFORMATION**

Revision note

No information available

#### Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet