

# SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc. Revision date 06-Feb-2020 Version 1.2

# Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

## **1.1. Product Identifier**

Product Name Product Code EC No CAS No Pure substance/mixture Sodium stearate SC-215884 212-490-5 822-16-2 Substance

# 1.2. Relevant identified uses of the substance or mixture and uses advised against

For research use only. Not intended for diagnostic or therapeutic use.

# 1.3. 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 **1.4. Emergency telephone number** Chemtrec 1.800.424.9300 (Within USA) +1.703.527.3887 (Outside USA) Santa Cruz Biotechnology, Inc. Bergheimer Str. 89-2 69115 Heidelberg, Germany +49.6221.4503 0 +1.800.457.3801 europe@scbt.com

# Section 2: HAZARDS IDENTIFICATION

# 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008 Serious eye damage/eye irritation Chronic aquatic toxicity

**2.2. Label Elements** Signal word

Symbols/Pictograms

Hazard statements

Precautionary Statements - EU (§28, 1272/2008)

Category 2 - (H319) Category 2 - (H411)

Warning



H319 - Causes serious eye irritation H411 - Toxic to aquatic life with long lasting effects

P264 - Wash face, hands and any exposed skin thoroughly after handling P280 - Wear protective gloves/protective clothing/eye protection/face protection P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention P273 - Avoid release to the environment



P391 - Collect spillage P501 - Dispose of contents/ container to an approved waste disposal plant

## 2.3. Other Hazards

Other hazards General Hazards Toxic to aquatic life Not applicable

# Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Molecular Weight	306.46
Formula	C18H35NaO2

# 3.1 Substances

Chemical name	EC No	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium stearate	Present	822-16-2	100	Eye Irrit. 2 (H319)
				Aquatic Acute 2 (H401)
				Aquatic Chronic 2 (H411)

Full text of H- and EUH-phrases: see section 16

# Section 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

General advice	If symptoms persist, call a physician.
Inhalation	Remove to fresh air. If symptoms persist, call a physician. Immediate medical attention is
Skin Contact	not required. Move to fresh air in case of accidental inhalation of vapors. Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.
Ingestion	Immediate medical attention is not required. Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
Self-protection of the first aider	Use personal protective equipment as required.
<b>4.2. Most important symptoms ar</b> Symptoms	nd effects, both acute and delayed No information available.
Cymptomo	

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

# Section 5: FIRE FIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### 5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the No information available



chemical Hazardous combustion products

Carbon oxides.

# 5.3. Advice for firefighters

Special protective equipment for fire-fighters

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

# Section 6: ACCIDENTAL RELEASE MEASURES

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

Personal precautions	Use personal protective equipment as required. Avoid contact with eyes and skin. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
For emergency responders	Use personal protection recommended in Section 8.
6.2. Environmental precautions	
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.
6.3. Methods and material for co	ontainment and cleaning up
Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Take precautionary measures against static discharges.

#### 6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

# Section 7: HANDLING AND STORAGE

# 7.1. Precautions for safe handling Advice on safe handling Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. Use with local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. Noxious vapor/odor. General Hygiene Considerations 7.2. Conditions for safe storage, Storage Conditions including any incompatibilities Keep container tightly closed. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. 7.3. Specific end use(s) Risk Management Methods (RMM) The information required is contained in this Material Safety Data Sheet.

# Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1. Control parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	European Union	United Kingdom	France	Spain	Germany
Sodium stearate				TWA: 10 mg/m <sup>3</sup>	
822-16-2					
Component	Italy	Portugal	Netherlands	Finland	Denmark
Sodium stearate		TWA: 10 mg/m <sup>3</sup>			
822-16-2(100)					
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Sodium stearate					TWA: 10 mg/m <sup>3</sup>



822-16-2	STEL: 30 mg/m <sup>3</sup>				
Derived No Effect Level (DNEL)	No information available				
Predicted No Effect Concentration	No information available.				
(PNEC)					
8.2. Exposure controls					
Engineering Controls	Ensure adequate ventilation, especially in confined areas				
Eye/face protection	Tight sealing safety goggles. Face protection shield.				
Skin and Body Protection	Suitable protective clothing. Apron. Gloves made of plastic or rubber.				
Respiratory protection	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.				
Environmental exposure controls	Do not allow into any sewer, on the ground or into any body of water.				

# Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	powder
Odor	No information available
Property pH Melting point/freezing point Boiling point Flash point Liquid Density Evaporation rate Upper flammability limits Lower 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	Values_ No information available 205 °C No information available 177 °C 1.02 g/cm <sup>3</sup> No information available No information available

# Section 10: STABILITY AND REACTIVITY

Not applicable
Stable under recommended storage conditions. No information available. No information available.
<b>actions</b> No information available. None under normal processing.
Extremes of temperature and direct sunlight.



#### **10.5. Incompatible materials** Incompatible materials

Strong oxidizing agents.

## 10.6. Hazardous decomposition products

Hazardous Decomposition Products Carbon oxides.

# Section 11: TOXICOLOGICAL INFORMATION

# 11.1. Information on toxicological effects

Acute toxicity Product Information Unknown acute toxicity

Product does not present an acute toxicity hazard based on known or supplied information. 0% of the mixture consists of ingredient(s) of unknown toxicity.

# Section 12: ECOLOGICAL INFORMATION

<b>12.1. Toxicity</b> Ecotoxicity Unknown aquatic toxicity	May cause long lasting harmful effects to aquatic life. 0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.
<b>12.2. Persistence and degradab</b> Persistence and degradability	ility No information available.
12.3. Bioaccumulative potential Bioaccumulation	No information available.
<b>12.4. Mobility in soil</b> Mobility	No information available.
<b>12.5. Results of PBT and vPvB</b> a PBT and vPvB assessment	assessment No information available.
<b>12.6. Other adverse effects</b> Other adverse effects	No information available

# Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods	Dispersional should be in accordance with applicable regional metional and least laws and
waste from residues/unused products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container.
Other Information	Waste codes should be assigned by the user based on the application for which the product was used.

# Section 14: TRANSPORT INFORMATION

RID / ADR Not regulated IMDG Not regulated ICAO (air) / IATA Not regulated



14.1 UN/ID no	-	-	-
14.2 Proper shipping name	-	-	-
14.3 Hazard Class	-	-	-
Subsidiary hazard class / Labels	-	-	-
14.4 Packing Group	-	-	-
14.5 14.5 Environmental Hazard	-	-	-
14.6 14.6 Special Provisions	-	-	-

# Section 15: REGULATORY INFORMATION

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National Regulations

#### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### International Inventories

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

TSCA (United States): Canada (DSL/NDSL) Europe (EINECS/ELINCS/NLP) Australia (AICS) South Korea (KECL): China (IECSC) ENCS (Japan): Philippines (PICCS)

Chemical name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium stearate	Х	Х	-	Х	-	Х	Х	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

#### 15.2. Chemical safety assessment

Chemical Safety Report No information available

# Section 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3	H319 - Causes serious eye irritation
	H401 - Toxic to aquatic life
	H411 - Toxic to aquatic life with long lasting effects
Revision note	No information available.

#### This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

#### 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**