



The Power to Question

# SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc.

Revision date 13-Sep-2022

Version 1

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

### 1.1. Product Identifier

Product Name	Hexabromoethane
Product Code	SC-211586
CAS No	594-73-0
Synonyms	1,1,1,2,2,2-Hexabromo-ethane
Pure substance/mixture	Substance
Contains Hexabromoethane	

### 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

Santa Cruz Biotechnology, Inc.  
 Bergheimer Str. 89-2  
 69115 Heidelberg, Germany  
 +49.6221.4503 0  
 +1.800.457.3801  
 europe@scbt.com

### 1.4. Emergency telephone number

Chemtrec  
 1.800.424.9300 (Within USA)  
 +1.703.527.3887 (Outside USA)

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute toxicity - Oral	Category 4 - (H302)
Acute toxicity - Inhalation (Dusts/Mists)	Category 2 - (H330)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Chronic aquatic toxicity	Category 3 - (H412)

### 2.2. Label Elements

Contains Hexabromoethane  
 Signal word

Danger

Symbols/Pictograms



Hazard statements

H302 - Harmful if swallowed  
 H315 - Causes skin irritation  
 H319 - Causes serious eye irritation  
 H330 - Fatal if inhaled  
 H412 - Harmful to aquatic life with long lasting effects

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

P264 - Wash face, hands and any exposed skin thoroughly after handling



P270 - Do not eat, drink or smoke when using this product  
 P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 P330 - Rinse mouth  
 P501 - Dispose of contents/ container to an approved waste disposal plant  
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
 P271 - Use only outdoors or in a well-ventilated area  
 P284 - Wear respiratory protection  
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P310 - Immediately call a POISON CENTER or doctor  
 P320 - Specific treatment is urgent (see Emergency Phone Number on this label)  
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
 P405 - Store locked up  
 P280 - Wear protective gloves  
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
 P321 - Specific treatment (see Emergency Phone Number on this label)  
 P332 + P313 - If skin irritation occurs: Get medical advice/attention  
 P362 - Take off contaminated clothing and wash before reuse  
 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

### 2.3. Other Hazards

Other hazards

Harmful to aquatic life

General Hazards

Not applicable

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Molecular Weight 503.45  
 Formula C<sub>2</sub>Br<sub>6</sub>

### 3.1 Substances

Chemical name	EC No	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hexabromoethane	-	594-73-0	100	Acute Tox. 4 (H302) Acute Tox. 2 (H330) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Acute 3 (H402) Aquatic Chronic 3 (H412)

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

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

General advice

Consult a physician if necessary.

Inhalation

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial



Skin Contact	respiration. Wash skin with soap and water.
Eye contact	Wash with plenty of water.
Ingestion	Never give anything by mouth to an unconscious person. Clean mouth with water.

**4.2. Most important symptoms and effects, both acute and delayed**

Symptoms No information available.

**4.3. Indication of any immediate medical attention and special treatment needed**

Note to physicians Treat symptomatically.

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**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 chemical No information available

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.

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**Section 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions Ensure adequate ventilation, especially in confined areas.  
For emergency responders Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Environmental precautions See Section 12 for additional Ecological Information.

**6.3. Methods and material for containment 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.

**6.4. Reference to other sections**

See Section 12: ECOLOGICAL INFORMATION.

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**Section 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.  
General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

**7.2. Conditions for safe storage, including any incompatibilities**

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

**7.3. Specific end use(s)**

Risk Management Methods (RMM) The information required is contained in this Material Safety Data Sheet.

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**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.
Derived No Effect Level (DNEL)	No information available
Predicted No Effect Concentration (PNEC)	No information available.

**8.2. Exposure controls**

Engineering Controls	Showers Eyewash stations Ventilation systems
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and Body Protection	Wear protective gloves and protective clothing.
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	No information available.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Solid
Appearance	No information available
Odor	No information available

<b><u>Property</u></b>	<b><u>Values</u></b>
pH	No information available
Melting point/freezing point	142 °C
Boiling point	No information available
Flash point	No information available
Liquid Density	No information available
Evaporation rate	No information available
Upper flammability limits	No information available
Lower flammability limit	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific gravity	No information available
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

**Section 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Reactivity	Not applicable
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**10.2. Chemical stability**

Stability	Stable under recommended storage conditions.
Sensitivity to Mechanical Impact	No information available.
Sensitivity to Static Discharge	No information available.

**10.3. Possibility of hazardous reactions**



Hazardous polymerization No information available.  
Possibility of Hazardous Reactions None under normal processing.

#### 10.4. Conditions to avoid

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

##### The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 500.00 mg/kg  
ATEmix (inhalation-dust/mist) 0.05 mg/l

### Section 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

Ecotoxicity May cause long lasting harmful effects to aquatic life.  
Unknown aquatic toxicity 0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

#### 12.2. Persistence and degradability

Persistence and degradability No information available.

#### 12.3. Bioaccumulative potential

Bioaccumulation No information available.

#### 12.4. Mobility in soil

Mobility No information available.

#### 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

#### 12.6. Other adverse effects

Other adverse effects No information available

### Section 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

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.



## Section 14: TRANSPORT INFORMATION

	<u>RID / ADR</u>	<u>IMDG</u>	<u>ICAO (air) / IATA</u>
<b>14.1 UN/ID no</b>	UN2811	UN2811	UN2811
<b>14.2 Proper shipping name</b>	Toxic solid, organic, n.o.s.	Toxic solid, organic, n.o.s.	Toxic solid, organic, n.o.s.
<b>14.3 Hazard Class</b>	6.1	6.1	6.1
<b>Subsidiary hazard class / Labels</b>	-	-	-
<b>14.4 Packing Group</b>	II	II	II
<b>14.5 14.5 Environmental Hazard</b>	-	-	-
<b>14.6 14.6 Special Provisions</b>	274, 614	274	A3, A5
	Classification code T2	EmS-No F-A, S-A	ERG Code 6L
	Tunnel restriction code (D/E)		

## 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**

No information available

*X - Listed*

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

*DSL/NDL - 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

H302 - Harmful if swallowed  
 H315 - Causes skin irritation  
 H319 - Causes serious eye irritation  
 H330 - Fatal if inhaled  
 H402 - Harmful to aquatic life  
 H412 - Harmful to aquatic life with long lasting effects  
 No information available.

Revision note

**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



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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**