

SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc. Revision date 10-Jan-2023 Version 1.5

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

Product identifier

Product Name Product Code Oleylamine SC-255402

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

Acute toxicity - Oral Skin corrosion/irritation Serious eye damage/eye irritation Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure) Aspiration toxicity

Label elements

Signal word Hazard statements

Symbols/Pictograms

Precautionary Statements - Prevention

Category 4 Category 1 Sub-category B Category 1 Category 3 Category 2 Category 1

Danger Harmful if swallowed Causes severe skin burns and eye damage May cause respiratory irritation. May cause drowsiness or dizziness May cause damage to organs through prolonged or repeated exposure Very toxic to aquatic life with long lasting effects May be fatal if swallowed and enters airways



Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Do not breathe dust/fume/gas/mist/vapors/spray Wear protective gloves/protective clothing/eye protection/face protection Use only outdoors or in a well-ventilated area Avoid release to the environment



Precautionary Statements - Response	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 rinsing 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 Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth
	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Do NOT induce vomiting
	Collect spillage
Precautionary Statements - Storage	Store locked up Store in a well-ventilated place. Keep container tightly closed
Precautionary Statements - Disposal	Dispose of contents/container to an approved waste disposal plant

Not applicable

Hazards not otherwise classified (HNOC) Hazards not otherwise classified (HNOC) Other Information

NFPA Health hazards 3 HMIS Health hazards 3 Flammability Flammability 1 1 Physical hazards Stability 0 0 Physical and chemical Personal protection properties

3. COMPOSITION/INFORMATION ON INGREDIENTS

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Chemical name	CAS No.	Weight-%	Oral LD50	Dermal LD50	Inhalation LC50
Oleylamine	112-90-3	>98	= 1689 mg/kg (Rat)	-	-

4. FIRST AID MEASURES

First Aid Measures General advice Eye contact	Immediate medical attention is required. Keep eye wide open while rinsing. Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not rub affected area.
Skin Contact	Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Inhalation	Remove to fresh air Call a physician or poison control center immediately If not breathing, give artificial respiration If breathing is difficult, give oxygen
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Immediate medical attention is required. Remove from exposure, lie down. Clean mouth with water and drink afterwards plenty of water. Call a physician or poison



Self-protection of the first aider	control center immediately. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.
Most important symptoms and Symptoms	effects, both acute and delayed No information available.
Indication of any immediate me Note to physicians	edical attention and special treatment needed Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	No information available.
Specific hazards arising from the Specific hazards arising from the chemical Hazardous combustion products	ne chemical The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes. Carbon oxides. Nitrogen oxides (NOx).
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 Wear self-contained breathing apparatus and protective suit. for firefighters

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protectiv Personal precautions	The equipment and emergency procedures Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.		
Environmental precautions			
Environmental precautions	Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.		
Methods and material for containment and cleaning up			
Methods for containment	Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.		
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Dam up. Use personal protective equipment as required. Cover liquid spill with sand, earth or other non-combustible absorbent material. After cleaning, flush away traces with water.		

7. HANDLING AND STORAGE



Precautions for safe handling Advice on safe handling	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems. Handle in accordance with good industrial hygiene and safety practice. Corrosive hazard. Wear protective gloves/clothing and eye/face protection.
Conditions for safe storage, inc	cluding any incompatibilities
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store at room temperature.
Incompatible materials	Incompatible with strong acids and bases. Incompatible with oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters 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 contro	ls
Engineering Controls	Showers Eyewash stations Ventilation systems
Individual protection measures,	such as personal protective equipment
Eye/face protection	Tight sealing safety goggles. Face protection shield.
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.
General Hygiene Considerations	When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Appearance Odor	
Property pH	

Melting point/freezing point Boiling point Flash point Liquid Density Evaporation rate Upper flammability limits Lower flammability limit Vapor pressure Vapor density liquid paste No information available

Values_ No information available 18 °C 348 °C 154 °C CC (closed cup) 0.81 g/mL No information available No information available No information available No information available No information available



Specific gravity Water solubility Solubility in other solvents Partition coefficient Autoignition temperature Decomposition temperature Kinematic viscosity Explosive properties Oxidizing properties No information available No information available

10. STABILITY AND REACTIVITY

Reactivity	Not applicable
Chemical stability Possibility of Hazardous Reactions Hazardous polymerization Conditions to avoid Incompatible materials Hazardous Decomposition Products	 Stable under recommended storage conditions. None under normal processing. No information available. Exposure to air or moisture over prolonged periods. Incompatible with strong acids and bases. Incompatible with oxidizing agents. Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon oxides. Nitrogen oxides (NOx).

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

Chronic Toxicity

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risk of irreversible effects.

Numerical measures of toxicity - Product Information

Unknown acute toxicity No information available The following values are calculated based on chapter 3.1 of the GHS document ATEmix (oral) 500 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity	Very toxic to aquatic life with long lasting effects
Persistence and degradability	No information available.
Bioaccumulation	No information available.
Mobility	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.
Other Information	Waste codes should be assigned by the user based on the application for which the product was used.
US EPA Waste Number	D002

14. TRANSPORT INFORMATION

DOT UN/ID no Hazard Class Packing Group Proper shipping name Description Marine pollutant Emergency Response Guide Number	UN2735 8 II Amines, liquid, corrosive, n.o.s. UN2735, Amines, liquid, corrosive, n.o.s. (Oleylamine), 8, II, Marine pollutant This product contains a chemical which is listed as a marine pollutant according to DOT 153
IMDG UN/ID no Hazard Class Packing Group Proper shipping name Description Special Provisions EmS-No Marine pollutant	UN2735 8 II Amines, liquid, corrosive, n.o.s. UN2735, Amines, liquid, corrosive, n.o.s. (Oleylamine), 8, II, Marine pollutant 274 F-A, S-B This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO
IATA UN/ID no Hazard Class Packing Group Proper shipping name Description ERG Code	UN2735 8 II Amines, liquid, corrosive, n.o.s. UN2735, Amines, liquid, corrosive, n.o.s. (Oleylamine), 8, II 8L

15. REGULATORY INFORMATION

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
Oleylamine	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

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	Yes
Chronic Health Hazard	Yes
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