

SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc. Revision date 24-Mar-2022 Version 1

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

Product identifier

Product Name Product Code 2,4-Hexadien-1-ol SC-486519

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 Acute toxicity - Dermal Skin corrosion/irritation Serious eye damage/eye irritation

Label elements Signal word Hazard statements

Symbols/Pictograms

Precautionary Statements - Prevention

Category 4 Category 3 Category 2 Category 1

Danger Harmful if swallowed Toxic in contact with skin Causes skin irritation Causes serious eye damage



Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Wear protective gloves/protective clothing/eye protection/face protection



Precautionary Statements - Response	IF exposed or concerned: Get medical advice/attention
	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: Wash with plenty of soap and water
	Call a POISON CENTER or doctor/physician if you feel unwell
	Remove/Take off immediately all contaminated clothing
	Wash contaminated clothing before reuse
	If skin irritation occurs: Get medical advice/attention
	IF SWALLOWED: Call a POISON CENTER or doctor/physician if
	you feel unwell
	Rinse mouth
Precautionary Statements - Storage	Store locked up
Precautionary Statements - Disposal	Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC) Hazards not otherwise classified (HNOC)

Other Information

NFPA	Health hazards	0	HMIS	Health hazards	0
	Flammability	2		Flammability	2
	Stability	0		Physical hazards	0
	Physical and chemical properties	-		Personal protection	-

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No	111-28-4
Molecular Weight	98.15
Formula	C6H10O

Chemical name	CAS No.	Weight-%	Oral LD50	Dermal LD50	Inhalation LC50
2,4-Hexadien-1-ol	111-28-4	>98	= 2140 µL/kg (Rat)	= 1010 µL/kg (Rabbit)	-

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.
Most important symptoms	and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed Note to physicians 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 chemical Specific hazards arising from the No information available. chemical Hazardous combustion products Carbon oxides. **Explosion data** Sensitivity to Mechanical Impact No information available. Sensitivity to Static Discharge 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	e 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 contai	nment and cleaning up
Methods for containment	Prevent further leakage or spillage if safe to do so.

7. HANDLING AND STORAGE

Methods for cleaning up

Precautions for safe handling Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice.
Conditions for safe storage, inc	luding any incompatibilities
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store at 4 °C.
Incompatible materials	None known based on information supplied.

Pick up and transfer to properly labeled containers.

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 controls

Engineering Controls

Showers Eyewash stations Ventilation systems



Individual protection measures, such as personal protective equipment

Eve/face protection Wear safety glasses with side shields (or goggles). Skin and Body Protection Wear protective gloves and protective clothing. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved Respiratory protection 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	Low-Melting Solid
Appearance	No information availab
Odor	No information availab

Property

pН Melting point/freezing point Boiling point Flash point Liquid 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

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Values

No information available 28 °C 80 °C 72 °C CC (closed cup) 0.871 g/cm³ No information available No information available

10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of Hazardous Rea Hazardous polymerization Conditions to avoid Incompatible materials Hazardous Decomposition P

Not applicable

actions	Stable under recommended storage conditions. None under normal processing. No information available.
Products	Extremes of temperature and direct sunlight. Strong oxidizing agents. Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

No data available.
No data available.
No data available.
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 No information available The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 500 mg/kg ATEmix (dermal) 300 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity	May cause long lasting harmful effects to aquatic life
100% of the mixture consists of comp	onents(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
Contaminated packaging	regulations. Do not reuse container.

14. TRANSPORT INFORMATION

DOT UN/ID no Hazard Class Packing Group Proper shipping name Description Emergency Response Guide Number	UN2811 6.1 III Toxic solids, organic, n.o.s. UN2811, Toxic solids, organic, n.o.s., 6.1, III 154
IMDG UN/ID no Hazard Class Packing Group Proper shipping name Description Special Provisions EmS-No	UN2811 6.1 III Toxic solid, organic, n.o.s. UN2811, Toxic solid, organic, n.o.s., 6.1, III 223, 274 F-A, S-A
IATA UN/ID no Hazard Class	UN2811 6.1

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Packing Group



Proper shipping name Description ERG Code Toxic solid, organic, n.o.s. UN2811, Toxic solid, organic, n.o.s., 6.1, III 6L

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
2,4-Hexadien-1-ol	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	No
Fire hazard	Yes
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