

SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc. Revision date 09-Apr-2015 Version 1

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

Product identifier Product Name

Product Name Product Code Ethyl 2-trans-4-cis-decadienoate SC-234949

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

Label elements

Signal word Hazard statements Symbols/Pictograms

Precautionary Statements - Prevention

Precautionary Statements - Response

Hazards not otherwise classified (HNOC)

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Other Information

NFPA	Health hazards	2
	Flammability	1
	Stability	C
	Physical and chemical	
	properties	

Category 2

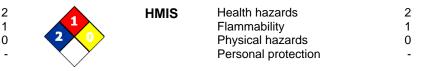
Warning Causes skin irritation



Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection IF exposed or concerned: Get medical advice/attention IF ON SKIN: Wash with plenty of soap and water If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

Not applicable



3. COMPOSITION/INFORMATION ON INGREDIENTS



CAS No	3025-30-7
Molecular Weight	196.29
Formula	C12H20O2

Chemical Name	CAS No	Weight %	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl	3025-30-7	>98	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	-
2-trans-4-cis-decadienoate					

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 Unsuitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. None.
Specific hazards arising from the Specific hazards arising from the chemical	ne chemical No information available.
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 for firefighters (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 upMethods for containmentPrevent further leakage or spillage if safe to do so.Methods for cleaning upPick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

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

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 Engineering Controls	Is Showers Eyewash stations Ventilation systems
Individual protection measures, Eye/face protection Skin and Body Protection Respiratory protection General Hygiene Considerations	 such as personal protective equipment Wear safety glasses with side shields (or goggles). 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. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid
Appearance	No information available
Odor	No information available
Property	Values
pH	No information available
Melting point/freezing point	-60 °C
Boiling point	70 °C
Flash point	113 °C CC (closed cup)
Density	0.91 g/mL
Evaporation rate	No information available
Upper flammability limits	No information available
Lower flammability limit	No information available
Vapor pressure	0.008
Vapor density	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 No information available 4.61 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.
Hazardous Decomposition Products	Carbon oxides
Hazardous Decomposition Products	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Inhalation

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 No information available The following values are calculated based on chapter 3.1 of the GHS document ATEmix (oral) 5000 mg/kg ATEmix (dermal) 5000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

May cause long lasting harmful effects to aquatic life

0% 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. Do not reuse container.

Contaminated packaging

14. TRANSPORT INFORMATION

DOT UN/ID no Hazard Class Packing Group Proper shipping name Description Emergency Response Guide Number	UN3082 9 III Environmentally hazardous substance, liquid, n.o.s. UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III 171
IMDG UN/ID no Hazard Class Packing Group Proper shipping name Description Special Provisions EmS-No	UN3082 9 III Environmentally hazardous substance, liquid, n.o.s. UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III 274, 335 F-A, S-F
IATA UN/ID no Hazard Class Packing Group Proper shipping name Description	UN3082 9 III Environmentally hazardous substance, liquid, n.o.s. UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III

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
Ethyl	Х	Х	-	Х	-	Х	Х	Х	Х	Х
2-trans-4-cis-decadienoate										

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