

#### The Power to Question

# SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc.
Revision date 06-Nov-2018
Version 1

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

**Product identifier** 

Product Name Glyceryl triacetate
Product Code SC-215082

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 - Dermal

Label elements

Signal word Hazard statements

Symbols/Pictograms

Precautionary Statements - Prevention

Precautionary Statements - Response

Precautionary Statements - Disposal

Category 4

Warning

Harmful in contact with skin May be harmful if inhaled



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

Call a POISON CENTER or doctor/physician if you feel unwell

Wash contaminated clothing before reuse Dispose of contents/container to an approved waste disposal

plant

#### Hazards not otherwise classified (HNOC)

Hazards not otherwise classified (HNOC)

Not applicable

## **Other Information**

NFPA Health hazards 0 Flammability 1

Stability 0

Physical and chemical

properties



HMIS

Health hazards 0
Flammability 1
Physical hazards 0
Personal protection -

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

 $\begin{array}{lll} \text{CAS No} & 102\text{-}76\text{-}1 \\ \text{Molecular Weight} & 218.20 \\ \text{Formula} & \text{C}_9\text{H}_{14}\text{O}_6 \\ \end{array}$ 

Chemical name			Oral LD50	Dermal LD50	Inhalation LC50		
Glyceryl triacetate			= 3 g/kg (Rat)	> 2000 mg/kg (Rabbit)	> 1721 mg/L (Rat) 4 h		

#### 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

## 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

surrounding environment. No information available.

Specific hazards arising from the chemical

Specific hazards arising from the

Unsuitable Extinguishing Media

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

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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 up

Prevent further leakage or spillage if safe to do so. Methods for containment Pick up and transfer to properly labeled containers. Methods for cleaning up

## 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 controls

**Engineering Controls** Showers

> **Eyewash stations** Ventilation systems

Individual protection measures, such as personal protective equipment

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.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State liauid

Appearance No information available Odor No information available

Values Property

No information available Melting point/freezing point No information available

Boiling point 258 °C

Flash point 138 °C CC (closed cup)

Liquid Density 1.16 g/mL

Evaporation rate No information available

Upper flammability limits 7.73% Lower flammability limit 1.05%

Vapor pressure 1.3E-3 mmHg

Vapor density 7.53 Specific gravity 1.16

Water solubility No information available Solubility in other solvents No information available

Partition coefficient 0.25 Autoignition temperature 433 °C

Decomposition temperature No information available Kinematic viscosity No information available Explosive properties No information available Oxidizing properties No information available

#### 10. STABILITY AND REACTIVITY

Not applicable Reactivity

Chemical stability Stable under recommended storage conditions.

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

Conditions to avoid Extremes of temperature and direct sunlight.

Incompatible materials Strong oxidizing agents.

Hazardous Decomposition Products Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

## Information on likely routes of exposure

Inhalation No data available. Eve 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) 3000 mg/kg ATEmix (dermal) 2000 mg/kg ATEmix (inhalation-dust/mist) 1721 mg/l ATEmix (inhalation-vapor) 1721 mg/l

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** May cause long lasting harmful effects to aquatic life

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Glyceryl triacetate	-	170: 48 h Leuciscus idus	-	380: 48 h Daphnia magna
102-76-1		mg/L LC50 static		mg/L EC50

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

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.

Do not reuse container. Contaminated packaging

#### 14. TRANSPORT INFORMATION

Not regulated DOT

**IMDG** Not regulated

**IATA** Not regulated

## 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
Г	Glyceryl triacetate	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 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**

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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**