

# SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc. Revision date 27-Feb-2017 Version 1.2

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

# Product identifier

Product Name Product Code Guaiacol SC-205337

**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 - Inhalation (Dusts/Mists) Skin corrosion/irritation Serious eye damage/eye irritation

Label elements Signal word Hazard statements

Symbols/Pictograms

Precautionary Statements - Prevention

Category 4 Category 4 Category 2 Category 2A

Warning Harmful if swallowed Harmful if inhaled Causes skin irritation Causes serious eye irritation



Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area 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
	If eye irritation persists: 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
	IF INHALED: Remove victim to fresh air and keep at rest in a
	position comfortable for breathing
	Call a POISON CENTER or doctor/physician if you feel unwell
	IF SWALLOWED: Call a POISON CENTER or doctor/physician if
	you feel unwell
	Rinse mouth
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	-	HMIS	Health hazards	-
	Flammability	-		Flammability	-
	Stability	-		Physical hazards	-
	Physical and chemical properties	-		Personal protection	-

Not applicable

# **3. COMPOSITION/INFORMATION ON INGREDIENTS**

CAS No Molecular Weight Formula		90-05-1 124.14 C7H8O2			
Chemical Name	CAS No	Weight %	Oral LD50	Dermal LD50	Inhalation LC50
Guaiacol	90-05-1	>98	= 520 mg/kg (Rat)	= 4600 mg/kg (Rabbit)	-

# **4. FIRST AID MEASURES**

First Aid Measures	
General advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do
Ever sentest	not get in eyes, on skin, or on clothing.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	
Skill Colliaci	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse.
	Wash off immediately with plenty of water. If skin irritation persists, call a physician.
	Immediate medical attention is not required.
Inhalation	Remove to fresh air Call a physician If breathing is irregular or stopped, administer artificial
	respiration Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation
	Immediate medical attention is not required Move to fresh air in case of accidental
	inhalation of vapors If symptoms persist, call a physician
Ingestion	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce
	vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything
	by mouth to an unconscious person. Call a physician.
Self-protection of the first aider	Use personal protective equipment as required.



Most important symptoms and effects, both acute and delayed

	Symptoms	No information available.			
	Indication of any immediate meet Note to physicians	dical attention and special treatment needed 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	None.			
Specific hazards arising from the chemical					
	Specific hazards arising from the chemical	No information available.			
	Hazardous combustion products	Carbon oxides.			
	Explosion data				
	Sensitivity to Mechanical Impact	No information available.			
	Sensitivity to Static Discharge	No information available.			
	Protective equipment and preca	utions for firefighters			

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 proceduresPersonal precautionsUse personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.			
Environmental precautions Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. 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 conta Methods for containment Methods for cleaning up	inment and cleaning up Prevent further leakage or spillage if safe to do so. Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Dam up.		

## 7. HANDLING AND STORAGE

#### **Precautions for safe handling** Advice on safe handling

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use with local exhaust ventilation.

## Conditions for safe storage, including any incompatibilities



Storage Conditions

Incompatible materials

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Store at room temperature. 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 control	S
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. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## Property

pН Melting point/freezing point Boiling point Flash point 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

#### Values

No information available 28 °C No information available No information available

## **10. STABILITY AND REACTIVITY**



Reactivity Chemical stability Possibility of Hazardous Reactions Hazardous polymerization Conditions to avoid Incompatible materials Hazardous Decomposition Products Not applicable Stable under recommended storage conditions. None under normal processing. No information available. Extremes of temperature and direct sunlight. Strong oxidizing agents. Carbon oxides.

# **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 No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure Chronic Toxicity Avoid repeated exposure.

#### Numerical measures of toxicity - Product Information

Unknown acute toxicityNo information availableThe following values are calculated based on chapter 3.1 of the GHS documentATEmix (oral)500 mg/kgATEmix (dermal)4600 mg/kgATEmix (inhalation-dust/mist)1.5 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
Guaiacol	-	-	-	25.9: 48 h Daphnia magna
90-05-1				mg/L EC50

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.

Chemical Name	Partition coefficient
Guaiacol	1.32
90-05-1	

# **13. DISPOSAL CONSIDERATIONS**

Disposal of wastes

Contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not reuse container.



Other Information

Waste codes should be assigned by the user based on the application for which the product was used.

## **14. TRANSPORT INFORMATION**

DOT	Not regulated
IMDG	Not regulated
ΙΑΤΑ	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
Guaiacol	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**

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