

# SAFETY DATA SHEET

Santa Cruz Biotechnology, Inc. Revision date 27-Jul-2015 Version 1

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

#### Product identifier Product Name

Product Name Product Code Ocimene quintoxide SC-236232

**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<br>Flammable liquids  | Category 3  |
|--|---|
| Label elements<br>Signal word<br>Hazard statements<br>Symbols/Pictograms           | Warning<br>Flammable liquid and vapor   |
| Precautionary Statements - Prevention  | Keep away from heat/sparks/open flames/hot surfaces. — No<br>smoking<br>Keep container tightly closed<br>Ground/bond container and receiving equipment<br>Use only non-sparking tools<br>Take precautionary measures against static discharge<br>Wear protective gloves/protective clothing/eye protection/face |
| Precautionary Statements - Response<br>Precautionary Statements - Storage          | protection<br>IF exposed or concerned: Get medical advice/attention<br>IF ON SKIN (or hair): Remove/Take off immediately all<br>contaminated clothing. Rinse skin with water/shower<br>In case of fire: Use CO2, dry chemical, or foam for extinction<br>Store in a well-ventilated place. Keep cool            |
| Precautionary Statements - Disposal  | Dispose of contents/container to an approved waste disposal plant   |
| Hazards not otherwise classified (HNOC)<br>Hazards not otherwise classified (HNOC) | Not applicable  |
| Other Information<br>Unknown acute toxicity  | 100% of the mixture consists of ingredient(s) of unknown toxicity.  |

| NFPA | Health hazards<br>Flammability<br>Stability<br>Physical and chemical<br>properties | 0<br>2<br>0<br>- |  | HMIS | Health hazards<br>Flammability<br>Physical hazards<br>Personal protection | 0<br>2<br>0<br>- |
|------|--|------------------|--|------|---|------------------|
|------|--|------------------|--|------|---|------------------|

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS No           | 7416-35-5 |
|------------------|-----------|
| Molecular Weight | 154.25    |
| Formula          | C10H18O   |

| Chemical Name      | CAS No    | Weight % | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------|-----------|----------|-----------|-------------|-----------------|
| Ocimene quintoxide | 7416-35-5 | >98      | -         | -           | -               |

## 4. FIRST AID MEASURES

| First Aid Measures                 |   |
|------------------------------------|---|
| General advice                     | Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). |
| Eye contact                        | Wash with plenty of water.  |
| Skin Contact                       | Wash off immediately with plenty of 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.  |
| Self-protection of the first aider | Remove all sources of ignition.   |
|                                    |   |

#### 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<br>surrounding environment.<br>None. |
|---|---|
| Unsuitable Extinguishing Media                                      | NOHE.   |
| Specific hazards arising from t                                     | he chemical   |
| Specific hazards arising from the<br>chemical                       | No information available.   |
| Hazardous combustion products                                       | Carbon oxides.  |
| Explosion data  |   |
| Sensitivity to Mechanical Impact<br>Sensitivity to Static Discharge | No information available.<br>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.

Personal precautions

## 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas.

| Environmental precautions |  |
|---------------------------|--|
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.<br>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.  |
|-------------------------|--|
| Methods for cleaning up | Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal |
|                         | binder, sawdust). Pick up and transfer to properly labeled containers.                       |

## 7. HANDLING AND STORAGE

| <b>Precautions for safe handling</b><br>Advice on safe handling | Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. |
|---|--|
| Conditions for safe storage, inc                                |  |
| Storage Conditions  | Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Store at room temperature.   |
| Incompatible materials  | None known based on information supplied.  |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| <b>Control parameters</b><br>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<br>Engineering Controls | Is<br>Showers<br>Eyewash stations<br>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                          | When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Appearance Odor

| Property                     |
|------------------------------|
| pH                           |
| 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         |

liquid No information available No information available

#### Values

No information available -20 °C 163 °C 48 °C CC (closed cup) 0.865 g/cm3 No information available No information available

## **10. STABILITY AND REACTIVITY**

## **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 No information available.

## Numerical measures of toxicity - Product Information Unknown acute toxicity 100% of the mixture consists of ingredient(s) of unknown toxicity

## **12. ECOLOGICAL INFORMATION**

Ecotoxicity

May cause long lasting harmful effects to aquatic life

100% 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 |
|------------------------|--|
| Contaminated packaging | regulations.<br>Do not reuse container.  |

## **14. TRANSPORT INFORMATION**

| <b>DOT</b><br>UN/ID no<br>Hazard Class<br>Packing Group<br>Proper shipping name<br>Description<br>Emergency Response Guide Number | UN1993<br>3<br>III<br>Flammable liquids, n.o.s.<br>UN1993, Flammable liquids, n.o.s., 3, III<br>128                                  |
|---|--|
| IMDG<br>UN/ID no<br>Hazard Class<br>Packing Group<br>Proper shipping name<br>Description<br>Special Provisions<br>EmS-No          | UN1993<br>3<br>III<br>Flammable liquid, n.o.s.<br>UN1993, Flammable liquid, n.o.s., 3, III, (48°C c.c.)<br>223, 274, 955<br>F-E, S-E |
| IATA<br>UN/ID no<br>Hazard Class<br>Packing Group<br>Proper shipping name<br>Description  | UN1993<br>3<br>III<br>Flammable liquid, n.o.s.<br>UN1993, Flammable liquid, n.o.s., 3, III   |

#### **15. REGULATORY INFORMATION**

#### International Inventories

All of the components in the product are on the following Inventory lists

Canada (DSL/NDSL) Europe (EINECS/ELINCS/NLP) Australia (AICS) China (IECSC) Philippines (PICCS)

| Chemical Name      | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|--------------------|------|-----|------|--------|--------|------|-------|------|-------|------|
| Ocimene quintoxide | -    | -   | 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                 | 10  |
|-------------------------------------|-----|
| Chronic Health Hazard N             | ю   |
| Fire hazard Y                       | ′es |
| Sudden release of pressure hazard N | ю   |
| Reactive hazard N                   | ю   |

#### **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