

# 20-HETE: sc-205102



The Power to Question

## MATERIAL SAFETY DATA SHEET

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### SECTION I – Chemical Product and Company Identification

**Product Name:** 20-HETE  
**Product Number:** sc-205102  
**Chemical Family:** Fatty acids  
**Synonyms:** 20-hydroxy-5Z,8Z,11Z,14Z-eicosatetraenoic acid; 20-hydroxy Arachidonic Acid;  
**Hazard Label:** Health: 2  
**Molecular Formula:** C<sub>20</sub>H<sub>32</sub>O<sub>3</sub>  
**Molecular Weight:** 320.50  
**Reactivity:** 0  
**Flammability:** 2  
**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 95060  
800.457.3801 or 831.457.3800  
**Emergency:** ChemWatch  
Within the US & Canada: 877-715-9305  
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

### SECTION II – Hazardous Ingredients/Identity Information

<i>Hazardous Components</i>	<i>CAS #</i>	<i>OSHA PEL</i>	<i>ACGIH TLV</i>	<i>Other Limits %</i>
20-HETE	79551-86-3	–	–	– 100

### SECTION III – Physical/Chemical Characteristics

**Boiling Point:** NE or NA  
**Specific Gravity (Water = 1):** NE or NA  
**Melting Point:**  
**Vapor Pressure (mm Hg):** NE or NA  
**Vapor Density (Air=1):** NE or NA  
**Physical States:** Liquid  
**Evaporation Rate: (Butyl Acetate=1):** NE or NA  
**Solubility In Water:** \*0.8 mg/ml at 25.0 C\*PBS pH 7.2, sol. in EtOH, DMSO, & DMF  
**Percent Volatile:**  
**Appearance and Odor:** Liquid solution

### SECTION IV – Fire and Explosion Hazard Data

**Flash Pt:** NE or NA  
**Method Used:** See note below  
**Explosive Limits:** LEL: UEL:  
**Autoignition Pt:** NE or NA  
**Extinguishing Media:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.  
**Special Fire Fighting Procedures:**  
**Note:** Flammable as diluted in ethanol.

### SECTION V – Reactivity Data

**Stability:** Stable  
**Incompatibility – Materials To Avoid:** –  
**Hazardous Decomposition Or Byproducts:** –

**Hazardous Polymerization:** Will not occur

## **SECTION VI – Health Hazard Data**

### **Route(s) of Entry:**

Inhalation? Yes  
Skin? Yes  
Eyes? Yes  
Ingestion? Yes

**Health Hazards (Acute and Chronic):** Contact may cause skin or eye irritation.

The toxicological properties of this compound have not been fully evaluated.

### **Carcinogenicity:**

NTP? No  
IARC Monographs? No  
OSHA Regulated? No

### **Carcinogenicity/Other Information:**

**Recommended Exposure Limits: LD 50/LC 50:**

**Signs and Symptoms Of Exposure:** Irritating to the skin, eyes, nose, throat, and respiratory tract.

### **Medical Conditions Generally Aggravated By Exposure:**

### **Emergency and First Aid Procedures:**

**Inhalation:** remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

**Ingestion:** wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention.

**Eyes:** Hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by a physician.

**Skin:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

## **SECTION VII – Precautions for Safe Handling and Use**

**Steps To Be Taken In Case Material Is Released Or Spilled:** Absorb the liquid and scrub the area with detergent and water.

**Waste Disposal Method:** Dispose in accordance with local, state and federal regulations.

### **Hazard Label Information:**

**Precautions To Be Taken in Handling and Storing:** Avoid contact with eyes, skin, and clothing. Do not reuse this container. Store at -20° C. Use with adequate ventilation. Wash thoroughly after handling.

**Other Precautions:** Avoid contact with skin and eyes. Do not reuse this container. Use with adequate ventilation. Wash thoroughly after handling.

## **SECTION VIII- Control Measures**

### **Protective Equipment Summary – Hazard Label Information**

#### **Respiratory Equipment (Specify Type):**

**Ventilation:** Good general ventilation should be sufficient to control airborne levels.

**Eye Protection:** Safety glasses

**Protective Gloves:** Latex disposable gloves

**Other Protective Clothing:** Lab coat

**Work/Hygienic/Maintenance Practices:** Do not take internally.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Wash thoroughly after handling. Eye wash station in work area Lab coat Latex disposable gloves

Safety glasses Safety shower in work area Vent Hood

## **SECTION IX – Other Information**

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*

11/22/2010