



## **CHEMSYNTH CORPORATION**

(Exporter of chemical Raw materials)

**B 406 kailas Business park, Veer savarkar marg, Vikhroli powai link raod,  
Vikhroli (west ) Mumbai 400 079, India. Tele: +91 22 6692 0467 , 6221 5429  
Email info@chemsynth.co.in**

### **MATERIAL SAFETY DATA SHEET** **Diocetyl sulfosuccinate**

#### **Section 1 - Chemical Product and Company Identification**

MSDS Name: Diocetyl sulfosuccinate, sodium salt Catalog Numbers: AC117100000, AC117100010, AC117100050, AC117101000, AC117102500 Synonyms: Diocetyl sodium sulfosuccinate; bis(2-ethylhexyl)sulfosuccinic acid

#### **Section 2 - Composition, Information on Ingredients**

CAS#: 577-11-7 Chemical Name: Diocetyl sodium sulfosuccinate %: 100 EINECS#: 209-406-4

#### **Section 3 - Hazards Identification**

EMERGENCY OVERVIEW Warning! Harmful if swallowed. Causes eye, skin, and respiratory tract irritation. Target Organs: Respiratory system, eyes, skin. Potential Health Effects Eye: Causes eye irritation. Skin: Causes skin irritation. May be harmful if absorbed through the skin. Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Inhalation: Causes respiratory tract irritation. May be harmful if inhaled. Chronic: No information found.

#### **Section 4 - First Aid Measures**

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. Skin: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid. Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Notes to Physician: Treat symptomatically and supportively.

#### **Section 5 - Fire Fighting Measures**

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire,

irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion. Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam. Autoignition Temperature: Not available Flash Point: Not available Explosion Limits: Lower: Not available Explosion Limits: Upper: Not available NFPA Rating: health: 2; flammability: 1; instability: 0;

## **Section 6 - Accidental Release Measures**

General Information: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

## **Section 7 - Handling and Storage Handling:**

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## **Section 8 - Exposure Controls, Personal Protection**

Diocetyl sodium sulfosuccinate: None listed Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low. Exposure Limits Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent skin exposure. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a Not available Respirators: NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## **Section 9 - Physical and Chemical Properties**

Physical State: Solid

Color: white

Odor: characteristic odor.

pH: Not available

Vapor Pressure: Negligible.

Vapor Density: Not available

Evaporation Rate: Negligible.

Viscosity: Not available

Boiling Point: Not available  
Freezing/Melting Point: 153.00 - 157.00 deg C  
Decomposition Temperature: Not available  
Solubility in water: Slightly soluble Specific Gravity/Density: Molecular Formula:  
C20H37O7SNa Molecular Weight: 444.55

### **Section 10 - Stability and Reactivity**

Chemical Stability: Stable under normal temperatures and pressures. Conditions to Avoid: Incompatible materials, dust generation, excess heat. Incompatibilities with Other Materials Strong oxidizing agents, strong acids, strong bases. Hazardous Decomposition Products Carbon monoxide, oxides of sulfur, carbon dioxide, sodium oxide. Hazardous Polymerization Has not been reported.

### **Section 11 - Toxicological Information**

RTECS#: CAS# 577-11-7: WN0525000 LD50/LC50: RTECS: CAS# 577-11-7: Draize test, rabbit, eye: 250 ug Mild; Draize test, rabbit, eye: 1% Severe; Draize test, rabbit, skin: 10 mg/24H Moderate; Oral, mouse: LD50 = 2643 mg/kg; Oral, rat: LD50 = 1900 mg/kg; . Carcinogenicity: Dioctyl sodium sulfosuccinate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65. Other: The toxicological properties have not been fully investigated.

### **Section 12 - Ecological Information - NA**

### **Section 13 - Disposal Considerations**

Dispose of in a manner consistent with federal, state, and local regulations.

### **Section 14 - Transport Information**

US DOT Shipping Name: Not Regulated Hazard Class: UN Number: Packing Group: Canada TDG Shipping Name: Not regulated as a hazardous material Hazard Class: UN Number: Packing Group:

### **Section 15 - Regulatory Information**

European/International Regulations European Labeling in Accordance with EC Directives Hazard Symbols: XN Risk Phrases: R 22 Harmful if swallowed. R 36/37/38 Irritating to eyes, respiratory system and skin. Safety Phrases: S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 37/39 Wear suitable gloves and eye/face protection. WGK (Water Danger/Protection) CAS# 577-11-7: 2 Canada CAS# 577-11-7 is listed on Canada's DSL List Canadian WHMIS Classifications: D1B, D2B This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. CAS# 577-11-7 is listed on Canada's Ingredient Disclosure List US Federal TSCA CAS# 577-11-7 is listed on the TSCA Inventory.

## **Section 16 - Other Information**

MSDS Creation Date: 7/08/1998 Revision #6 Date 7/20/2009 The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.