

**SECTION 1 : Identification of the substance/preparation and of the company / undertaking****(a) GHS product identifier**

Debubbler

**(e) Emergency phone number**

CHEMTREC 1-800-424-9300

**(b) Other means of identification**

NA

**(c) Recommended use of the chemical and restrictions on use**

For professional dental applications.

**(d) Supplier's details**

Garreco, LLC.  
430 Hiram Road  
Heber Springs, AR 72543  
Phone: 1-800-334-1443

**SECTION 2: Hazards identification****(a) GHS classification of the substance/mixture****Substance Name**

1. Sodium dioctyl sulfosuccinate

**(b) Label Elements****Hazard statements**

Causes skin irritation  
Causes serious eye damage.

**Precautionary statements****Prevention**

Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves.  
Wear eye/face protection.

**Response****IF ON SKIN:** Wash with plenty of water/soap. If skin irritation occurs: Get medical attention.**IF SWALLOWED:** Rinse mouth. Call a poison center/doctor if you feel unwell.**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 attention.**Storage**

NA

**Disposal**

NA

**Hazard Symbol(s)**

Exclamation mark

**Signal Word(s)**

Warning

**(c) Other hazards which do not result in classification**

ND

**SECTION 3: Composition/information on ingredients****(a) Chemical(s) Identity:****(b) Common Name:**

1. Sodium dioctyl sulfosuccinate

**(c) CAS No.**

577-11-7

**Mixture:****Concentration (Percentage)**

2%

**SECTION 4: First-aid measures****(a) Description of first aid measures:**

**IF ON SKIN (or hair):** Rinse skin with water/shower. Get medical attention if irritation develops and persists.

**IF INHALED:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

**IF SWALLOWED:** Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

**IF IN EYES:** Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**(b) Most important symptoms and effects, both acute and delayed:**

N/D

**(c) Indication of any immediate medical attention and special treatment needed:**

Provide general supportive measures and treat symptomatically. For vomiting and diarrhea, treat with fluid therapy. Monitor fluid and electrolyte status. (HSDB)

**(d) General information**

Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed health-care provider familiar with workplace chemical exposures. In the United States, the national poison control center phone number is 1-800-22-1222. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention.

**SECTION 5: Fire-fighting measures****(a) Suitable extinguishing media:**

Water spray, dry chemical, carbon dioxide, or foam as appropriate for surrounding fire and materials.

**(b) Special hazards arising from the chemical or mixture:**

No unusual fire or explosion hazards noted.

**(c) Special protective equipment and precautions for fire-fighters:**

Wear suitable protective equipment. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. Cool containers exposed to flames with water until well after the fire is out.

**SECTION 6: Accidental release measures****(a) Personal precautions, protective equipment and emergency procedures:**

Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. Ensure adequate ventilation. Wear appropriate personal protective equipment.

**(b) Environmental precautions:**

N/D

**(c) Methods and material for containment and cleaning up:**

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dusts during clean-up. For waste disposal, see section 13 of the SDS. Wash spill site.

**SECTION 7: Handling and storage****(a) Precautions for safe handling:**

As a general rule, when handling USP Reference Standards, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly.

**(b) Conditions for safe storage, including any incompatibilities:**

Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

**SECTION 8: Exposure controls/Personal protection****(a) Control parameters:**

Chemical	ACGIH		OSHA	
	TLV	TLV-STEL	PEL TWA	PEL CEILING
1. Sodium dioctyl sulfosuccinate	N/A		N/A	

**(b) Appropriate Engineering Controls:**

Airborne exposure should be controlled primarily by engineering controls such as general dilution ventilation, local exhaust ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls. Effectiveness of engineering controls intended for use with highly potent materials should be assessed by use of nontoxic surrogate materials.

Local exhaust ventilation such as a laboratory fume hood or other vented enclosure is recommended, particularly for grinding, crushing, weighing, or other dust-generating procedures.

**(c) Individual protection measures:**

**RESPIRATORY:** Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place (applicable U.S. regulation OSHA 29 CFR 1910.134).

**EYE PROTECTION:** Safety glasses with side shields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area.

**PROTECTIVE GLOVES:** Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic non-latex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.

**OTHER PROTECTIVE EQUIPMENT:** For handling of laboratory scale quantities, a cloth lab coat is recommended. Where significant quantities are handled, work clothing may be necessary to prevent take-home contamination.

**SECTION 9: Physical and chemical properties**

(a) Appearance:	Water- colored liquid
(b) Odor:	Characteristic odor of octyl alcohol
(c) Odor threshold:	N/A
(d) pH:	N/A
(e) Melting point / freezing point:	307.4-314.6°F; also reported as 173 to 179°C
(f) Initial boiling point and boiling range:	356°F
(g) Flash point	N/A
(h) Evaporation rate (BuAc=1):	N/A
(i) Flammability:	N/A
(j) Upper/lower flammability or explosive limits:	N/A
(k) Vapor Pressure:	<0.000001 kPa at 25°C
(l) Vapor density:	N/A
(m) Relative density:	N/A
(n) Solubility:	Sparingly soluble
(o) Partition coefficient: n-octanol/water:	N/A
(p) Auto-ignition temperature:	N/A
(q) Decomposition temperature:	N/A
(r) Viscosity:	N/A

**SECTION 10: Stability and reactivity**

(a) Reactivity:	Material is stable under normal conditions.
(b) Chemical stability:	Material is stable under normal conditions.
(c) Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
(d) Conditions to avoid:	None known.
(f) Hazardous decomposition products:	SO <sub>x</sub> , Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.

**SECTION 11: Toxicological information**

<b>Acute toxicity</b>	Harmful if swallowed
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious Eye Damage / Irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	Due to lack of data the classification is not possible. Data from germ cell mutagenicity tests were not found.
<b>Germ cell mutagenicity</b>	Ames test Result: Negative. Chromosomal aberrations in Chinese hamster ovary cells, with activation. Result: Positive
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. 0 - 1 % Long-term dietary study Result: Not carcinogenic. Species: Rat Test Duration: 2 years
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met. Epidemiological studies of women did not find evidence of an association between therapeutic use of docusates during pregnancy and an increased incidence of birth defects. 0 - 10 g/kg Three-generational study, administered orally. Result: No adverse effects on reproductive function or development of offspring. Species: Rat
<b>STOT-single exposure</b>	Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration Hazard</b>	Based on available data, the classification criteria are not met.
<b>(a) Exposure route:</b>	Ingestion, skin, eye contact
<b>(b) Symptoms related to the physical, chemical and toxicological characteristics:</b>	Nausea, vomiting, diarrhea, cramps, bloating, bitter taste, skin rash.
<b>(c) Delayed and immediate effects and also chronic effects from short and long term exposure:</b>	Hepatotoxicity. Medical conditions aggravated by exposure: Appendicitis, rectal bleeding, undiagnosed abdominal symptoms, intestinal obstruction, congestive heart failure, hypertension.
<b>(d) Numerical measures of toxicity:</b>	Rabbit Dermal LD <sub>50</sub> - 10000 mg/kg Rat Inhalation LC <sub>50</sub> - >2000 mg/m <sup>3</sup> Mouse Oral LD <sub>50</sub> - 2.64 g/kg

**SECTION 12: Ecological information**

<b>(a) Ecotoxicity:</b>	Rainbow trout, Donaldson trout LC <sub>50</sub> - 20-40 mg/l, 96 hours
<b>(b) Persistence and degradability:</b>	Readily biodegradable
<b>(c) Bioaccumulative potential</b>	N/A
<b>(d) Mobility in soil:</b>	N/A
<b>(e) Other adverse effects:</b>	N/A

**Safety Data Sheet**

Form No. A386

Date Prepared:

2/10/2016

**SECTION 13: Disposal considerations****Product:** Sodium dioctyl sulfosuccinate**Recommendation**

This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

**SECTION 14: Transport information****(a) UN Number**

Not regulated as a hazardous material by DOT

**(b) UN Proper shipping name**

Not regulated as a hazardous material by DOT

**(c) Transport hazard class(es)**

Not regulated as a hazardous material by DOT

**(d) Packing Group**

Not regulated as a hazardous material by DOT

**(e) Environmental hazards**

Not regulated as a hazardous material by DOT

**(f) Transport in bulk**

No information available.

**(g) Other Information**

N/D

**SECTION 15: Regulatory information****SARA Reporting Requirements:**

No

**SARA Threshold Planning Quantity:**

No

**TSCA Inventory Status:**

All components are on the U.S. EPA TSCA Inventory List.

**Other Federal Requirements:**

Not regulated.

**Other Canadian Regulations:**

All components are on the Canadian Domestic Substances List (DSL).

**State Regulatory Information:**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**SECTION 16: Other information****PREPARED BY:**

Kathryn Harris

**GAR QMS SDS REFERENCE:**

A046, A321

**HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:**

Health	0
Flammability	0
Reactivity	0
Other	NA

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD IDENTIFICATION RATING:**

Health	0
Flammability	0
Reactivity	0
Special Information	NA

**REVISION NUMBER:**

150629

**CHANGES FROM PREVIOUS VERSION:**

INITIAL VERSION

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**ABBREVIATIONS**

NA Not Applicable  
 ND Not Determined  
 NE Not Established  
 ppm parts per million  
 G Gallon  
 mg Milligram  
 L Liter  
 gm Gram  
 mol Mole  
 kg Kilogram  
 μ Micro  
 mm Millimeter  
 p Pico  
 Pa Pascals  
 c cento  
 LC Lethal Concentration  
 ACGIH American Conference of Governmental Industrial Hygienist  
 CPR Controlled Product's Regulation  
 OSHA Occupational Safety and Health Administration  
 IARC International Agency for Research for Cancer

LD Lethal Dose  
 TC Toxic Concentration  
 TD Toxic Dose  
 BOD Biological Oxygen Demand  
 COD Chemical Oxygen Demand  
 Lo Lowest  
 ThOD Theoretical Oxygen Demand  
 TLm Threshold Limit  
 IC Inhibitory Concentration  
 DOC Dissolved Organic Carbon  
 H Hours  
 M Months  
 D Days  
 Y Years  
 W Weeks  
 DSL Canadian Domestic Substances List  
 NDSL Canadian Non-domestic Substance List  
 NOEL No Observed Effect Level  
 NOAEL No Observed Adverse Effect Level  
 PEL Permissible Exposure Limit  
 TLV Threshold Limit Value

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200) OF CHEMICALS AND THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING REVISION 5. ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.