

MATERIAL SAFETY DATA SHEET

SOAX[®] Granular Concentrate

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
IDENTITY SOAX Granular Concentrate	DATE PREPARED 7/2/01
SYNONYMS, CHEMICAL NAMES, COMMON NAMES SOAX Granular	USE: Non-ionic surfactant wetting agent.

MANUFACTURER'S NAME Smithers-Oasis	TELEPHONE NUMBER – INFORMATION (330) 673-5831
ADDRESS 919 Marvin Avenue P.O. Box 118 Kent, OH 44240 USA	TELEPHONE NUMBER - EMERGENCY Transportation emergency: CHEMTREC: 800-424-9300 International Transportation: CHEMTREC: 703-527-3887 Rocky Mountain Poison Control Center: 303-623-5716

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS			
HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	%
Polyalkylene Glycol	None established	None established	25 %
Remaining components, if any, are not hazardous or hazardous components are present at less than 1% (0.1% for carcinogens).			

EMERGENCY OVERVIEW
Fine granular, brown-gray free flowing aggregate with slightly earthy odor. May be irritating to skin, eyes, and respiratory tract.

SECTION 3 -HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF EXPOSURE:

Inhalation; skin; eyes; ingestion.

IRRITATION DATA:

May cause irritation to skin, eyes, and upper respiratory tract.

INHALATION:

ACUTE: Dust may be irritating to the nose, throat and upper respiratory tract, causing coughing or sneezing.

CHRONIC: None known.

SKIN CONTACT:

ACUTE: May cause irritation.

CHRONIC: Prolonged and repeated contact may result in irritation with itching and redness similar to a rash or dermatitis.

EYE CONTACT:

ACUTE: May be irritating.

CHRONIC: None known.

INGESTION:

ACUTE: May cause stomach irritation with nausea.

CHRONIC: None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Persons with pre-existing skin, eye, or respiratory tract conditions may be at increased risk from exposure.

SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES

- INHALATION: Remove from exposure to fresh air immediately. If breathing has stopped, give artificial respiration. Oxygen may be given if breathing is difficult. Seek medical attention.
- SKIN CONTACT: Remove contaminated clothing and shoes. Wash affected area with soap and water until no evidence of the chemical remains. Seek medical attention if irritation develops.
- EYE CONTACT: Flush thoroughly with water for at least 15 minutes, occasionally lifting the upper and lower lids, until no evidence of the chemical remains. Seek medical attention.
- INGESTION: Treat symptomatically and supportively. Seek medical attention if irritation develops.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT	FLAMMABLE LIMITS	LEL	UEL
467° F (COC) (for surfactant)		Not available	Not available

AUTOIGNITION TEMPERATURE: Not known.

EXTINGUISHING MEDIA

Water spray, foam, carbon dioxide, or dry chemical powder.

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters should wear full protective NIOSH approved self contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

None known.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear suitable protective equipment. Clean spill in a manner that does not disperse dust in the air, preferably a wet-down procedure or vacuum. Reclaim or place in suitable container for disposal.

SECTION 7 – HANDLING AND STORAGE

Keep containers closed when not in use. Store in a cool, dry well ventilated area. Do not let freeze. Wash thoroughly after handling. Observe good personal and industrial hygiene procedures. Do not store near children.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION

A dust mask is recommended. Where airborne concentrations may exceed guidelines for permissible air concentrations, choose a respirator in accordance with OSHA Respirator Standard 29 CFR 1910.134.

VENTILATION

Use general dilution or local exhaust ventilation to maintain exposure below the exposure limits.

PROTECTIVE GLOVES

Choose appropriate gloves in accordance with OSHA Personal Protective Equipment Standard 29 CFR 1910.132.

EYE PROTECTION

Safety glasses with side shields or choose in accordance with OSHA 29 CFR 1910.133.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Appropriate protective clothing to minimize repeated and prolonged skin contact with this material.

RECOMMENDED EXPOSURE LIMITS

OSHA and ACGIH have not set exposure limits for this material.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES			
BOILING POINT	Not applicable	SPECIFIC GRAVITY	11.5-12.5 lbs/ft ³
pH	5-7	MELTING POINT	Not available
VAPOR PRESSURE (mm Hg)	<1 @ 20° C	SOFTENING POINT	Not available
VAPOR DENSITY (Air = 1)	Not applicable	EVAPORATION RATE	Not applicable
SOLUBILITY	Surfactant is soluble; carrier is insoluble.		
% SOLIDS	70 %		
COEFFICIENT OF WATER/OIL DISTRIBUTION:	Not applicable.		
APPEARANCE AND ODOR:	Fine granular, brown-gray free flowing aggregate with slightly earthy odor.		

SECTION 10 - STABILITY AND REACTIVITY			
STABILITY	Unstable		Conditions to Avoid Stable at normal room temperature.
	Stable	X	
INCOMPATIBILITY (Materials to Avoid) Strong oxidizing agents.			
HAZARDOUS DECOMPOSITION PRODUCTS Very high temperature, i.e. combustion conditions, may release toxic and/or hazardous gases.			
HAZARDOUS POLYMERIZATION	May Occur		Conditions to Avoid None known.
	Will Not Occur	X	

SECTION 11 - TOXICOLOGICAL INFORMATION

This formulation has not been tested for acute toxicity. It is expected to have a low order of acute toxicity. (Oral LD₅₀: >5000 mg/kg)

Carcinogenicity: Not listed by IARC, NTP, or OSHA
 Reproductive data: None known
 Fetotoxicity data: None known
 Teratology data: None known.

SECTION 12 - ECOLOGICAL INFORMATION

This formulation has not been tested for environmental effects.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable federal, state, and local environmental regulations. If discarded in its original form, material is not regulated by Resource Conservation and Recovery Act (RCRA) as a hazardous waste.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME	DOT CLASSIFICATION	DOT UN/NA
Not regulated	Not applicable	Not applicable

Material is not regulated as a DOT Marine Pollutant

SECTION 15 - REGULATORY INFORMATION

OSHA: This material is not classified as hazardous under OSHA regulations.

TSCA: All components are listed on the TSCA 8(b) inventory.

SARA Title III - Toxic chemicals list 40 CFR 372.65: None

SARA HAZARD CATEGORIES:

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Reactive Hazard	Sudden Release of Pressure
Yes	No	No	No	No

CERCLA Toxic Chemicals List 40 CFR 302: None

RCRA Hazardous Waste Codes 40 CFR 261.24, 261.33 : None.

SECTION 16 - OTHER INFORMATION

HMIS Ratings:

Health 1
Flammability 1
Reactivity 0

where 0=minimal, 1=slight, 2=moderate, 3=serious, 4=severe

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