

MATERIAL SAFETY DATA SHEET

SS-8XX Series

SECTION 1 - IDENTIFICATION

Oil Chem Technologies
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Sugar Land, TX 77478

EMERGENCY TELEPHONE NUMBERS

INFOTRAC 1-800-535-5053

Trade Name: SS-8XX Series
Chemical Family: SURFACTANT

SECTION 2 – HAZARDS IDENTIFICATION

NFPA Hazard Rating Scale:

HEALTH: 2 FIRE: 1 REACTIVITY: 0

(Degree of hazard: 4=severe, 3=serious, 2=moderate, 1=slight, 0=minimal)

HEALTH HAZARDS:

SKIN: Irritant, may cause temporary redness, mild local irritation and sensitization. Repeated or prolonged contact with skin may cause dermatitis. May be harmful if absorbed through skin.

EYES: Irritant, may cause burning, redness, and pain.

INGESTION: Harmful if ingested. May cause headaches, nausea, dizziness and other symptoms of central nervous depression.

INHALATION: May be hazardous if inhaled. May cause headaches, nausea, dizziness and other symptoms of central nervous depression.

SECTION 3 – HAZARDOUS INGREDIENTS

Hazardous Components	CAS No.	Wt. %
ethylene glycol butyl ether	111-76-2	14 - 30

SECTION 4 – FIRST-AID MEASURES

INGESTION: Do not induce vomiting. Contact a physician.

INHALATION: Immediately move individual from exposure and into fresh air. Should breathing be irregular, administer oxygen and contact a physician.

SKIN: Remove soiled clothing and wash with soap and water. If irritation persists, contact a physician.

EYES: Flush eyes gently with water while holding eyelids apart for at least 15 minutes. For visual difficulty, contact a physician.

IF CONDITIONS PERSIST, SEEK MEDICAL ATTENTION.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point, F & Method
>200°F PMCC

Flammable Limits:
Based on: NA

LEL,% ND
UEL,% ND

FIRE HAZARDS:

This material may burn, but it does not readily ignite.

EXTINGUISHING MEDIA:

Dry chemical, CO₂, water spray or foam. Move container from fire area if you can do so without risk. Apply cooling water to sides or containers that are exposed to flames until well after the fire is out. Stay away from ends of containers.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Do not attempt to control spill until proper personal protective equipment is worn. PPE includes rubber boots, gloves, and rubber apron. Insure good ventilation.

If volume is significant, transfer into containers for disposal. Seal containers tightly. Absorb remainder on an inert material such as earth, sand or vermiculite. Sweep up and dispose of according to Federal, State and local regulations.

SECTION 7 – HANDLING AND STORAGE

THIS PRODUCT CONTAINS 4-5 % SODIUM CHLORIDE THAT HAS BEEN FOUND TO BE CORROSIVE AND CAUSE PITTING WHEN IN CONTACT WITH STAINLESS STEEL.

Recommended Storage Temperatures: 18 to 35C (65 to 95F).

Recommended Storage Materials of Construction: All containers and pumps and gaskets should be checked for compatibility with the solvents and salt (sodium chloride) present in the product.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection (Specify Type): Use NIOSH approved respirator if PEL is exceeded.

Ventilation: General or local mechanical exhaust

Protective Gloves: Chemically Resistant/Non-Slip

Eye Protection: Chemical Safety Goggles/Safety Glasses

Other protection: Coveralls, Splash Aprons, Eye Wash, and Safety Shower

Work/Hygienic Practices: Clean up spills promptly, wash contaminated clothing

Special: Use SCBA when entering tanks

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Boiling Point, F:	ND	Specific Gravity (H ₂ O=1):	0.98-1.02
Vapor Pressure (mm Hg):	ND	Evaporation Rate:	ND
Vapor Density (Air=1):	ND	(butyl acetate=1)	
pH:	5-9	Viscosity:	< 300 cps at 25 C
Solubility in Water:	SOLUBLE		
Appearance and Odor:	CLEAR TO SLIGHTLY HAZY LIQUID		

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability:	STABLE
Conditions to Avoid:	Product is corrosive to stainless steel. Do not store or transfer material in containers or tubing made of this material.
Hazardous Decomposition/Byproducts:	ND
Hazardous Polymerization:	Will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

Carcinogenicity: NO NTP: ND IARC: ND OSHA Regulated: NO

Toxicity to Animals:

Data for Component: Ethylene glycol monobutyl ether

Ingestion

LD50, Rat 470 - 3,000 mg/kg

Skin Absorption

LD50, Rat 2,270 mg/kg

LD50, Rabbit 99 - 610 mg/kg

LD50, Guinea pig > 2,000 mg/kg

Inhalation

LC50, 7 h, Vapor, Rat 700 ppm

Chronic Effects on Humans:

Data for Component: Ethylene glycol monobutyl ether

In long-term animal studies with ethylene glycol butyl ether, small but statistically significant increases in tumors were observed in mice but not rats. The effects are not believed to be relevant to humans.

If the material is handled in accordance with proper industrial handling procedures, exposures should not pose a carcinogenic risk to man.

Repeated Dose Toxicity

Data for Component: Ethylene glycol monobutyl ether

In animals, effects have been reported on the following organs: blood (hemolysis) and secondary effects on the kidney and liver. Human red blood cells have been shown to be significantly less sensitive to hemolysis than those of rodents and rabbits.

SECTION 12 – ECOLOGICAL INFORMATION

Persistence and Degradability

Material is readily biodegradable in water treatment systems.

Ecotoxicity

Data for Component: Ethylene glycol monobutyl ether

The product is expected to be moderately toxic to aquatic organisms.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE INFORMATION

Waste must be disposed in accordance with federal, state, and local environmental control regulations.

SECTION 14 – TRANSPORT INFORMATION

Hazard Classification: NOT-REGULATED

DOT ER Guide No.: NONE

Labels Required: NONE

UN/NA No.: NONE

Proper Shipping Name/Description:

NOT REGULATED

DOT RQ in lbs: NA

Flash Point, F: >200°F

Pkg. Group: NONE

DOT RQ in gal: NA

pH: 5-9

IMDG Pg.No.: NONE

SECTION 15 – REGULATORY INFORMATION

U.S. Toxic Substances Control Act (TSCA) Information

The component(s) of this product are listed on the TSCA Chemical Substances Inventory.

CEPA - Domestic Substances List (DSL)

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (the corresponding CAS number and percent by weight are also provided):

Component	CAS #	Amount
Ethylene glycol monobutyl ether	111-76-2	14- 30%

SECTION 16 – OTHER INFORMATION

Abbreviations: NA=not applicable, ND=not determined, NE=not established

Last Revision: 20090628

This information is based on data believed by Oil Chem Technologies to be accurate, but no warranty, expressed or implied, is made.