

MATERIAL SAFETY DATA SHEET

SIL-SURF

MSDS DATE: 2/24/11

SUPERSEDES: 06/18/07

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SIL-SURF

MANUFACTURER: Jimmy Sanders, Inc.
ADDRESS: Cleveland, MS

CHEMREC PHONE: US: 1-800-424-9300 International: 1-202-483-7616

CHEMICAL NAME: Proprietary mixture
CHEMICAL FAMILY: Silicone-Polyether Copolymer
CHEMICAL FORMULA: Mixture

PRODUCT USE: Adjuvant

SECTION 1 NOTES: None

SECTION 2: HAZARDOUS INGREDIENTS

INGREDIENT	CAS NO.	% WT/% VOL	SARA 313 REPORTABLE	TWA	OSHA STEL	Ceiling	TWA	ACGIH STEL	Ceiling
Ethylene oxide	75-21-8	<1 ppm	No	1 ppm	5ppm/15min		1 ppm		

SECTION 2 NOTES: None

SECTION 3: HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Eyes, skin, ingestion, inhalation

POTENTIAL HEALTH EFFECTS

EYES: Hold eyelids open and flush with a steady stream of water for at least 15 minutes. GET MEDICAL ATTENTION.

SKIN: Wash affected area with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing separately.

INGESTION: If large amounts are accidentally ingested, call a physician or poison control center.

INHALATION: NA

ACUTE HEALTH HAZARDS: NA

CHRONIC HEALTH HAZARDS: NA

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NA

CARCINOGENICITY

OSHA:	No	ACGIH:	No	NTP:	No	IARC:	No	OTHER:	No
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SECTION 3 NOTES: None

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SECTION 4: FIRST AID MEASURES

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Have the product container with you when calling a poison control center or doctor, or going for treatment.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If Swallowed: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: None

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: NA
(% BY VOLUME) **LOWER:** NA

FLASH POINT:

F: >200
C: >93

METHOD USED: PMCC

AUTOIGNITION TEMPERATURE:

F: NA
C: NA

NFPA HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABILITY:** 0 **REACTIVITY:** 0 **OTHER:** -

EXTINGUISHING MEDIA: Use carbon dioxide or dry chemical for small fires and water fog or foam (alcohol, polymer, or ordinary) for large fires. Water stream may spread flames.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should use self contained breathing apparatus and full turnout gear. Prevent runoff of fire water. Avoid exposure to smoke.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not use water or foam directly on the fire.

HAZARDOUS DECOMPOSITION PRODUCTS: NA

SECTION 5 NOTES: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Dike the area using absorbent or materials such as sand or clay. Recover and contain as much product as possible using absorbent. Clean spill area using a solution of water and detergent. Collect and contain wash water and all contaminated absorbent for disposal. If spilled on the ground, the affected area should be excavated to a depth of 1 – 2 inches. Prevent the spilled product or washings from reaching public sewers or waterways. Wear appropriate protective equipment during the cleanup. Ensure that tools and equipment are adequately decontaminated.

SECTION 6 NOTES: None

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a cool, dry area away from sources of heat or ignition.

SECTION 7 NOTES: None

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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VENTILATION :	Local exhaust.
RESPIRATORY PROTECTION:	Not required under normal use conditions. If required, use NIOSH/MSHA approved respirator for organic vapors.
EYE PROTECTION:	Goggles.
SKIN PROTECTION:	Chemical resistant coveralls, apron and foot coverings.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	Safety showers and eyewash should be easily accessible.
WORK HYGIENIC PRACTICES:	Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.
EXPOSURE GUIDELINES:	NA
SECTION 8 NOTES:	None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear to amber liquid

ODOR: Slight polyether odor.

PHYSICAL STATE: Liquid

pH AS SUPPLIED:

pH (Other):

BOILING POINT:

F: Unknown
C: Unknown

MELTING POINT:

F: Unknown
C: Unknown

FREEZING POINT:

F: Unknown
C: Unknown

VAPOR PRESSURE (mmHg):

@
F: Unknown
C: Unknown

VAPOR DENSITY (AIR = 1):

@
F: Unknown
C: Unknown

SPECIFIC GRAVITY (H₂O = 1):

@
F: 68
C: 20

EVAPORATION RATE:

BASIS (butyl acetate=1):

SOLUBILITY IN WATER:

Soluble

VISCOSITY:

@
F: Unknown
C: Unknown

SECTION 9 NOTES:

None

SECTION 10: STABILITY AND REACTIVITY

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STABILITY: Stable Unstable

CONDITIONS TO AVOID (STABILITY): None Known

INCOMPATIBILITY (MATERIAL TO AVOID): None Known

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None Known

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None Known

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not available

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not available

SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State, and Local regulations.

RCRA HAZARD CLASS: NA

SECTION 13 NOTES: None

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Not regulated

HAZARD CLASS: Not regulated

ID NUMBER: Not regulated

PACKING GROUP: Not regulated

LABEL STATEMENT: Not regulated

SECTION 14 NOTES: None

SECTION 15: REGULATORY INFORMATION

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U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

All components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):

Chemical Name Residual ethylene oxide (typical)	CAS Number 75-21-8	Range in % <0.001	RQ 10
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SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

Section 302/304 Extremely Hazardous Substances

Chemical Name Residual ethylene oxide (typical)	CAS Number 75-21-8	Range in % <0.001	TPQ Below reportable concentrations	RQ
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311/312 HAZARD CATEGORIES:

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate Health Hazard

313 REPORTABLE INGREDIENTS:

This product contains no substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) or 40 CFR Part 372 in concentrations above the de minimis concentration level.

STATE REGULATIONS:

WARNING! This product contains a detectable amount of ethylene oxide, which is known to the State of California to cause cancer and/or reproductive toxicity.

Ethoxylated products may contain residual amounts of ethylene oxide (EO) which can accumulate in the container headspace and be released into the ambient environment. This process is enhanced when the product is agitated, as during tank car loading and unloading, and blending operations. Ethylene oxide causes tumors in laboratory animals. The Occupational Safety and Health Administration (OSHA) Permissible Exposure Level (PEL) for EO is 1 ppm for an eight-hour time weighted average exposure. The standard regulates occupational exposure to EO from all sources, including products containing residual EO. It is the responsibility of the employer to comply with OSHA ethylene oxide standard (29 CFR 1910.1047).

SECTION 15 NOTES: None

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

PREPARATION INFORMATION: Prepared on 2/24/11

DISCLAIMER:

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

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