

Section 1 Product and Company Identification

Product Form: Mixture

Product Name: SurfaLube™ - Equipment Storage Fluid

Product #: 02-W400590

Intended Use of the Product: Commercial, Industrial and Professional use only. Use as directed

Manufacturer

Global Specialty Products - USA, Inc.

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Chemical Emergency Number: ChemTel: 1-800-255-3924

Section 2: Hazards Identification

This material is considered hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200)

Hazard Pictograms (GHS-US)

Signal Word: Warning

GHS Classification



	Code	Category	Statement
Flammable Liquids			Non Flammable / Non Combustible
Skin Irritation (Acute)	H315	3	Cause skin irritation
Eye irritation	H319	2A	Causes Serious Eye Irritation

Precautionary Statements (GHS-US)

General Precautionary Statements:

P101: If medical advice is needed, have product container or label at hand;

Prevention Precautionary Statements

P264: Wash thoroughly after handling;

P280: Wear eye protection, face protection.

Precautionary Statements

PREVENTION:

P102: Keep out of reach of children.

P103: Read label before use.

P264 - Wash skin thoroughly after handling.

P280 - Wear eye protection/face protection

RESPONSE:

P305 , P351, P338 - IF IN EYES - Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. **P337 + P313 -** If eye irritation persists: Get medical advice/ attention

Disposal: P501—Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

See **Section 13:** Disposal Considerations.

Other Hazards which do not result in classification: N/A

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1 % is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA: No component of this product present at levels greater than or equal to 0.1 % is identified as a carcinogen or potential carcinogen by OSHA.

NTP: No component of this product present at levels greater than or equal to 0.1 % is identified as a known or anti-cipated carcinogen by NTP.

Section 3: Composition/Information on Ingredients

Mixture

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret (29 CFR 1910.1200)

Contains no hazardous components at 1% or more as listed or defined in 29 CFR 1910, Subpart Z. Contains no components that are reported to be carcinogenic by any reference source including IARC, OSHA, NTP and EPA. This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

California Prop 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. **DOES NOT contain raw materials listed on SECTION 112(b) OF HAZARDOUS AIR POLLUTANTS.**

Section 4: First Aid Measures

Description of First Aid Measures

GENERAL: Never give anything to an unconscious person, If Exposed or Concerned; Get medical advice/attention immediately.

INHALATION: When symptoms occur remove to fresh air immediately. Keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a POISON CENTER, doctor or physician Immediately. Ventilate suspected area.

SKIN CONTACT: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice and attention Immediately. Wash contaminated clothing before reuse.

EYE CONTACT: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Duration of rinsing should be at least 15 minutes. Get medical attention if irritation persists after washing.

INGESTION: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. **NOTE TO PHYSICIANS:** Treat symptomatically.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container, SDS or label at hand.

Section 5: Fire Fighting Measures

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. Water spray, CO2, Dry Chemical Foam.

Extinguishing media

Suitable extinguishing agents: Use fire fighting measures that suit the environment.

Special hazards arising from the substance or mixture

Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products: Toxic fumes, Carbon Oxides.

Rags soaked with any solvent present a fire hazard and should always be stored in UL listed or Factory Mutual approved covered containers. Improperly stored rags can create conditions that lead to oxidation. Oxidation, under certain conditions, can lead to spontaneous combustion.

Protective equipment: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Reference to other sections—Refer to (Section 9 Physical and Chemical Properties) for flammability properties. Refer to (Section 16 Other Information) for NFPA.

Section 6: Accidental Release Measures

Steps To Take If Material Is Released/Spilled/Leaks

NOTE: Review Fire And Explosion Hazards and Safety Precautions before proceeding with clean up.

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust)

Ensure adequate ventilation. Dispose of the collected material according to regulations.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information

Section 7: Handling and Storage

Precautions for Safe Handling

Handling:

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Store in a cool, dry, well ventilated area away from direct sunlight and any incompatible materials (see section10).

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end use(s) No further relevant information available.

Section 8: Exposure Controls/Personal Protection

Additional information about design of technical systems: No further data; see section 7.

Control parameters

Components with occupational exposure limits:

Additional information: The lists that were valid during the creation of this SDS were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing and wash before reuse. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Breathing equipment: Not required.

Protection of hands:

Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Select glove material based on penetration times, rates of diffusion and degradation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Penetration time of glove material The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

Eye protection: Safety glasses

Section 9: Physical and Chemical Properties

Appearance	Clear Liquid - Colorless
Odor	Slight Characteristic
Odor Threshold	N/A
pH	6.5 - 7.0 @ 20 °C (68 °F)
Freezing Point	-70 °C (-94 °F)
Boiling point (Boiling point/boiling range)	242 - 255 °C (467.6 - 491 °F)
Flash point	116 - 120 °C (241 - 248 °F)
Evaporation rate	< 0.01 n-Butyl Acetate
Flammability (solid, gas)	N/A
Burning Rate	N/A
Upper explosion limit	21 - 32.5% (V)
Lower explosion limit	1.7 - 4.7 % (V)
Vapor density	1.2 - 1.5 @ 20 °C (68 °F) (Air= 1.0)
Specific Gravity (@ 68 °F grams/ ml)	1.090 - 1.095 @ 20 °C (68 °F) Reference substance: (water= 1)
Vapor pressure	0.02 mmHg @ 20 °C (68 °F)
Solubility in water	Soluble
Auto-ignition temperature	430 - 455 °C
Viscosity @68°F (water=1.0)	Water thin
Weight/Gallon	9.10 (lb/gal)
Normal Working Concentrations/Temperature	Full Strength @ Room Temperature Only
Recycling Parameters (Vacuum Distillation)	195 - 253 °F and 760 mm Hg Pressure
Reactivity	No dangerous reaction known under conditions of normal use.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No hazards to be specially mentioned.
Conditions to avoid	Heat, flames and sparks. Exposure to moisture. Elevated temperatures
VOC (EPA Method 24)	Total % VOC = 0.43396%
VOC Content	4.734 g/L (0.0395 lb/gal)
HMIS Rating	Health = 1; Fire = 1; Reactivity = 0

Section 10: Stability and Reactivity

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: The product is stable at normal handling and storage conditions.

Possibility of Hazardous Reactions: No hazards to be specially mentioned.

Conditions to Avoid: Heat, flames and sparks, Exposure to moisture. Elevated temperatures.

Incompatible Materials: Peroxides, strong acids, strong bases, strong oxidizing agents, water, metal oxides.

Hazardous Decomposition Products: Carbon oxides, Nitrogen Oxides.

Section 11: Toxicological Information

Information on Toxicological Effects

INHALATION: May cause mild irritation to the nose, throat and upper respiratory tract.

SKIN CONTACT: May cause skin irritation.

EYE CONTACT: Causes serious eye irritation.

INGESTION: Do Not Ingest.

ACUTE TOXICITY: This product is not classified as an acute toxicity hazard.

Respiratory or skin sensitization Respiratory sensitization: This product is not expected to cause respiratory sensitization.

Skin sensitizer: This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1 % are mutagenic or genotoxic.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity- single exposure: Not classified as a specific target organ toxicity -single exposure.

Specific target organ toxicity- repeated exposure: Not classified as a specific target organ toxicity -repeated exposure.

Aspiration toxicity: Not expected to be an aspiration hazard.

Section 12: Ecological Information

Information on Ecological Effects

Components of this product are hazardous to aquatic life. No data is available on the product itself. See below for individual ingredient Eco toxicity data.

Aquatic

Toxicity to fish: LC50 (Cyprinus carpio (Carp)): > 1,000 mg/l Exposure time: 96 h

Test Type: semi-static test

GLP: yes

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h Test Type: static test GLP: yes

Toxicity to algae: EC50 (Desmodesmus subspicatus (green algae)): > 900 mg/l End point: Biomass

Exposure time: 72 h

Test Type: static test

GLP: yes

Toxicity to bacteria: LC 50 (Pseudomonas putida): 25,619 mg/l End point: Growth rate

Exposure time: 16 h

Test Type: Static

Method: DIN 38412

GLP: yes

Persistence and degradability Readily biodegradable.

Biodegradability rad a : aerobic

Inoculum: Activated sludge, domestic, adaption not specified

Concentration: 20 mg/l

Biodegradation: 90 %

Testing period: 9 d

Exposure time: 29 d

Remarks: Readily biodegradable

Bio concentration factor (BCF): 3.0

Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water: log Pow: -0.41

Mobility in soil

Stability in soil: Remarks: Not expected to adsorb on soil.

Other adverse effects

No data available

Regulation

40 CFR Protection of Environment; Part 82 Protection

of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information: No data available

Section 13: Disposal Considerations

Disposal Instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/ container in accordance with local/regional/national/international regulations.

Local disposal regulations Hazardous waste code: Dispose in accordance with all applicable regulations.

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14: Transport Information

Proper Shipping Name:	SurfaLube™ Equipment Storage Fluid
DOT Identification Number:	Class 70
NMFC Number:	4858003
Land DOT Hazard Class:	Not regulated as dangerous goods
NFPA Flammable and Combustible Liquids Classification:	N/A
Hazardous Ingredients:	None
In Accordance with IMDG	Not regulated as a dangerous for transport
In Accordance with IATA	Not regulated as a dangerous for transport
In Accordance with TDG	Not regulated as a dangerous for transport

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara

Section 355 (extremely hazardous substances): Substance is not listed.

Section 313 (Specific toxic chemical listings): Substance is not listed.

TSCA (Toxic Substances Control Act): Substance is listed.

California Proposition 65 - Chemicals known to cause cancer: Substance is not listed.

Chemicals known to cause reproductive toxicity for females: Substance is not listed.

Chemicals known to cause reproductive toxicity for males: Substance is not listed.

Chemicals known to cause developmental toxicity: Substance is not listed.

Carcinogenic categories

EPA (Environmental Protection Agency)

Substance is not listed.

TLV (Threshold Limit Value established by ACGIH)

Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS).

Section 16: Other Information

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Rating

0 = Non Regulated
 1 = Low
 2 = Moderate
 3 = High
 4 = Extreme

HMIS RATING	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PROTECTION	0


HMIS (Hazardous Material Information Association)
NFPA (National Fire Protection System)

Recommended monitoring method None
 Exposure controls
 Appropriate engineering controls Not normally required.

Personal protection equipment
 Eye/face protection



Wear protective eye glasses for protection against liquid splashes.

Skin protection
 (Hand protection/ Other)



The following to be used as necessary:
 Gloves (Neoprene or Natural rubber).

Respiratory protection



No personal respiratory protective equipment normally required. In the case of vapor formation a respirator with an approved filter.

Thermal hazards

None

Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with Federal, State or Provincial, and local laws. The following specific information is made for the purpose of complying with numerous Federal, State or Provincial, and local laws and regulations. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.