

## Section 1: Product and Company Identification

### Product Identifier

**Product Form:** Proprietary Product

**Product Name:** SurfaSeal™ - BioBased Lubricant

**Product #:** 02-W600670

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

Details of the supplier of the safety data sheet

### Manufacturer

Global Specialty Products - USA, Inc.

10 Eagle Avenue - Suite 500

Mount Holly, New Jersey 08060

www.gsp-usa-inc.com

Telephone: 609-518-7577 Fax: 609-518-5277 Mon - Fri, 8am - 5 pm PST

Email: support@gsp-usa-inc.com


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

## Section 2: Hazards Identification

Classification of the mixture

**According to Regulation 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200).**

### Label Elements

Signal Word	Classification of the substance or Mixture	Category	Hazard Statements (GHS-US)	Hazard Pictograms/ Labeling (GHS-US)
Warning	Eye Irritation Skin Irritation	2A 3	H319 - Causes Serious eye irritation H315 - Causes skin irritation	

### Precautionary Statements

PREVENTION	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
Other Hazards which do not result in classification:	N/A
<b>Hazard statements</b>	May cause skin and eye irritation.

## 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.

### Extinguishing media

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

### Special hazards arising from the substance or mixture

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.

**Advice for firefighters:** Treat as an oil fire.

**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.

## 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 to slight amber
Odor	Pleasant characteristic
pH @50%	6.5 - 7.0
Freezing Point (Melting point/freezing point)	(-49 °C – 70 °C )
Boiling point (Boiling point/boiling range) components	242 - 254 °C (467.6 - 479 °F)
Flash point	125 °C (275 °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 – 7.5 @ 20 °C (68 °F) (Air= 1.0)
Vapor pressure (components)	≤ 0.01 mmHg @ 20 °C (68 °F)
Specific Gravity (@ 68 °F grams/ ml)	0.873 - 0.877 @ 25 °C (77°F)
Solubility in Water	Not Soluble in water
Auto-ignition temperature	388 - 455 °C
Viscosity @68°F (water=1.0)	Water thin
Weight/Gallon	7.30 (lbs. / gal.)
Normal Working Concentrations/Temperature	Full Strength @ Room Temperature Only
Recycling Parameters (Vacuum Distillation)	@760 mm Hg and 195-254 °C temperature
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	Exempt
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:** Strong oxidizers, acids and alkalis.

**Hazardous Decomposition Products:** Carbon oxides.

## Section 11: Toxicological Information

### Information on Toxicological Effects

**INHALATION:** N/A.

**SKIN CONTACT:** May be irritating.

**EYE CONTACT:** May be irritating.

**INGESTION:** Do Not Ingest.

**ACUTE TOXICITY:** This product is not classified as an acute toxicity hazard. See data for individual ingredient acute toxicity data.

**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

#### **Toxicity**

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** No further relevant information available.

#### **Behavior in environmental systems:**

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

#### **Additional ecological information:**

**General notes:** Not known to be hazardous to water.

Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

**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:	SurfaSeal™ BioBased Lubricant
DOT Identification Number:	Class 70
NMFC Number:	4858003
Land DOT Hazard Class:	Not regulated as dangerous goods
Hazardous Ingredients:	None
NFPA Flammable and Combustible Liquids Classification:	n/a
In Accordance with IMDG	Not regulated as dangerous goods
In Accordance with IATA	Not regulated as dangerous goods
In Accordance with TDG	Not regulated 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

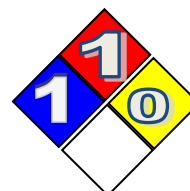
The substance is classified and labeled according to the Globally Harmonized System (GHS).

## 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



### HMIS (Hazardous Material Information Association)

### NFPA (National Fire Protection System)

Recommended monitoring method  
 Exposure controls

None

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 use 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.