


**SECTION 1: CHEMICAL PRODUCT - COMPANY IDENTIFICATION**

SOS Environmental (940) 720-6643
 811 6th Street
 Suite 130
 Wichita, Texas 76301

SUBSTANCE: BioWash™
TRADE NAMES/SYNONYMS: none
CHEMICAL FAMILY: terpene hydrocarbons and proprietary surfactants
MSDS CREATION DATE: 31 Dec 00
SDS REVISION DATE: 01 Jun 15

SECTION 2: HAZARDS IDENTIFICATION

Physical State	Liquid
Odor and color	Colorless to light yellow liquid with citrus odor.
OSHA/HCS Status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Emergency Overview	May be harmful if swallowed. May cause eye and skin irritation. Do not ingest. Avoid breathing vapor or mist. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.
Hazard Pictogram	
Signal Word	Warning.
Precautionary Statements	
General	Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	Wear eye or face protection. Avoid release to the environment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Use and store only outdoors or in a well ventilated place.
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	Not applicable.
Handling	Not applicable.
Hazards not otherwise classified	None known.

SECTION 3: COMPOSITION, INFORMATION ON INGREDIENTS

The composition information and/or the composition of one of the components of this product is proprietary. This product is not hazardous as defined in 29 CFR 1910.1200. In the event of a medical emergency, spill or fire, compositional information will be revealed to responding emergency personnel.



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COMPONENTS	CAS NUMBER	RTECS NUMBER	PERCENTAGE
Natural terpene hydrocarbons, proprietary surfactants, and water	5989-27-5 (terpene hydrocarbons) 7732-18-5 (water)	GW6360000 (terpene hydrocarbons) ZC0110000 (surfactant blend)	proprietary

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

SECTION 4: FIRST AID MEASURES

- SKIN CONTACT:** Remove contaminated clothing and shoes. Wash affected area with soap or mild detergent.
- EYE CONTACT:** Flush eyes with water or normal saline solution for 15 minutes. Remove contact lenses at once. If irritation persists seek medical attention.
- INGESTION:** Seek medical attention. Do not induce vomiting. Rinse mouth with water. Do not administer anything to an unconscious person. Do not leave victim unattended.
- INHALATION:** If symptoms of overexposure are experienced, move to fresh air. If symptoms persist, seek medical attention.
- GENERAL:** As with any chemical, employees should thoroughly wash hands with soap and water after handling this or any material.

SECTION 5: FIRE FIGHTING MEASURES

- FIRE AND EXPLOSION HAZARD:** Negligible fire hazard.
- HAZARDOUS COMBUSTION PRODUCTS:** Thermal decomposition products may include toxic oxides of carbon.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS** Use personal protection recommended in Section 8. Product may be slippery when spilled. Isolate the hazard area. Deny entry to unnecessary and unprotected personnel.
- ENVIRONMENTAL PRECAUTIONS** Keep out of drains, sewers, ditches, and waterways.
- METHODS FOR CONTAINMENT** Dike spill area and cap leaking containers as necessary to prevent further spreading of spilled material. Absorb spilled liquid with suitable dirt or sand.
- METHODS FOR CLEAN UP** Wear necessary PPE as identified in a pre-task hazard assessment. Also follow handling instructions of the material. Negligible fire or combustion hazard.
- OTHER INFORMATION** There are no special reporting requirements for spills of this material

SECTION 7: HANDLING AND STORAGE

Observe all federal, state and local regulations when storing this product. Store in a tightly closed container. Store away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

- EXPOSURE LIMITS:** No occupational exposure limits established by OSHA/ACGIH/NIOSH.
- VENTILATION:** Provide local exhaust ventilation system
- EYE PROTECTION:** Wear safety glasses with splash shields or safety goggles/shield.
- CLOTHING:** Wear normal work clothing. Leather work boots and/or leather products will dehydrate with resultant shrinkage and possible destruction.
- GLOVES:** Wear appropriate protective gloves.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Description	Colorless to slightly yellow liquid.
Odor/Odor Threshold	citric
pH	6.5 - 7.5
Melting Point/Freezing Point	5°C
Boiling Point	118°C (244°F)
Specific Gravity	0.99 @ 25°C (77°F)
Flash Point	>93°C (200°F)
Upper/Lower Flammability Point	N/A
Evaporation Rate	Not Established
VOC	N/A
Vapor Pressure	Not Established
Vapor Density	Not Established
Water Solubility	Miscible with water in all proportions.
Partition Coefficient	Not Established
Solvent Solubility	Miscible in alcohol, acetic acid and acetone
Auto-Ignition Temperature	N/A
Decomposition Temperature	Not Established
Viscosity	1.79 mPa*s

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under normal temperatures and pressures.
Possibility of Hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous Polymerization	Does not occur under normal temperatures and pressures.
Conditions to Avoid	None reported.
Hazardous Decomposition Products	Thermal decomposition products may include toxic oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

Product Name: Biowash	Low oral toxicity (LD ₅₀ >5 g/kg) and low dermal toxicity (LD ₅₀ > 5g/kg) when tested on rabbits.
Eye contact	Causes eye and mucous membrane irritation.
Inhalation	No known significant effects or critical hazards.
Skin Contact	Causes mild irritation not he skin.
Ingestion	Irritating to mouth, throat and stomach.
General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards
Mutagenicity	No known significant effects or critical hazards
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards
Fertility effects	No known significant effects or critical hazards

SECTION 12: ECOLOGICAL INFORMATION

ACUTE AQUATIC TOXICITY:	No data available.
DEGRADABILITY:	Product is readily biodegradable.
LOG BIOCONCENTRATION FACTOR (BCF):	No data available
LOG OCTANOL/WATER PARTITION COEFFICIENT:	No data available.

**SECTION 13: DISPOSAL INFORMATION**

Observe all federal, state and local regulations when disposing of this substance.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name-ID Number: Non-regulated.

SECTION 15: REGULATORY INFORMATION

TSCA STATUS:	No
DSL STATUS:	No
EINECS STATUS:	No
OTHER TSCA ISSUES:	None
CALIFORNIA PROPOSITION 65:	No ingredients found on the Propositions 65 list
SARA SECTIONS 311 CLASSIFICATION:	None

SECTION 16: OTHER INFORMATION

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific product designated and may not be valid for such product used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty, or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

SOS Environmental, Incorporated reserves the right to refuse shipment of this product to any consumer who fails to demonstrate the ability to consistently handle and use it safely and in compliance with all applicable laws, rules and regulations. Such demonstration may require on-site inspection of any or all storage, processing, packaging, and other handling systems that come in contact with it.

Customers are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product.