

SAFETY DATA SHEET

Section 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PureAg® BioSurf
PRODUCT USE: Plant Based Bio Surfactant & Emulsifier
SUPPLIER: PureAg® LLC
 4045 South West Temple
 Salt Lake City, Utah 84107
 www.pureagproducts.com
 801-651-3201
EMERGENCY: 801-651-3201

Section 2 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Color: Amber
Physical State: Liquid
Odor: Mild

Hazards of Product: OSHA Hazard Communication Standard
 This product is a "Non-Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910-1200

POTENTIAL HEALTH EFFECTS

Eye Contact: No evidence of adverse effect.
Skin Contact: No evidence of adverse effect.
Skin Absorption: No evidence of adverse effect.
Inhalation: No evidence of adverse effect.
Ingestion: No evidence of adverse effect.
Aspiration Hazard: No evidence of adverse effect.

Section 3 COMPOSITION INFORMATION

PRINCIPAL FUNCTIONING AGENTS: 65%
 Alkyl Polyglucoside, Ammonium Laureth Sulfate, Sodium Lauryl Sulfate, Coconut Fatty Acid

Constituents Ineffective as Spray Adjuvants: 35%

Section 4 FIRST AID MEASURES

General Advice: First Aid responders should pay attention to self-protection and use the recommended protective clothing. If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation: No evidence of adverse effect.
Skin Contact: No evidence of adverse effect.
Eye Contact: Flush eyes with water for 5 minutes.
Ingestion: No evidence of adverse effect.

Medical Conditions Aggravated by Exposure: None known
Note to Physicians: No specific instructions.

Section 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media: This material will not burn. Use extinguishing media appropriate for surrounding fire.

Flammable Properties: As defined by OSHA, this product is non-flammable.

Protection to Firefighters: No special precautions needed.

Section 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate the area as the floor may be slippery. Use care to prevent slips and falls.

Environmental Precautions: None required.

Methods for Containment and Cleanup: Rinse area thoroughly with water. This product is safe to wash into drains and waste systems.

Section 7 HANDLING AND STORAGE

Handling Procedures: No special procedures required.
Storage Procedures: Store in cool, well ventilated area. Avoid low temperatures.

Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: None Established.
Engineering Controls: Non Required.
Respiratory Protection: Non Required.
Eye/Face Protection: Non Required.
Skin Protection: Non Required.
Gloves: Non Required.
Other Safety Equipment: Non Required.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Color: Amber
Odor: Mild
Odor Threshold: No test data available
pH: 8.2 - 8.5
Melting Point: Not applicable to liquids
Freezing Point: -4° C (25°F)
Flash Point: None (TCC)
Evaporation Rate: No test data available
Flammability (solid,gas): Not applicable to liquids

FLAMMABLE LIMITS IN AIR

Lower: N/A
Upper: N/A
Autoignition Temperature: No test data available
Explosion Sensitivity to Impact: No test data available
Explosion Sensitivity to Static Discharge: None
Vapor Pressure: <0.01 mmHg Estimated
Vapor Density (air = 1): >1 Estimated
Specific Gravity (H₂O = 1): 1.001 20°C/20°C Calculated
Solubility in Water (by Weight): Complete
Decomposition: No test data available
Oxidizing Properties: No test data available
Molecular Weight: No test data available

Section 10 STABILITY AND REACTIVITY

Reactivity: No dangerous reactions known under normal use.
Chemical Stability: Stable at typical use temperatures.
Possibility of Hazardous Reactions: None known
Incompatible Materials: None known
Hazardous Decomposition Products: None

Section 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Ingestion: None known
Dermal: None known
Inhalation: None known

Eye Damage/Eye Irritation: None known
Skin Corrosion/Skin Irritation: None known

SENSITIZATION

Skin: No evidence of adverse effects.
Respiratory: No evidence of adverse effects.
Repeated Dose Toxicity: No evidence of adverse effects.
Chronic Toxicity and Carcinogenicity: No evidence of adverse effects.
Developmental Toxicity: No evidence of adverse effects.
Reproductive Toxicity: No evidence of adverse effects.

CONTINUED

**Section 12
ECOLOGICAL INFORMATION**

Ecotoxicity: None
Aquatic Toxicity: None
Persistence and Degradability: Readily Biodegradable

**Section 13
DISPOSAL CONSIDERATIONS**

Chemicals contained are not listed as hazardous waste. This product is safe to wash into waste systems. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. As your supplier, we have no control over the management practices or manufacturing processes of parties handling or using this material. The information presented here pertains only to the product as shipped in its intended condition as described in SDS Section: Composition Information.

**Section 14
TRANSPORT INFORMATION**

DOT Non-Bulk: Not regulated
DOT Bulk: Not regulated
IMDG: Not regulated
ICAO/IATA: Not regulated

**Section 15
REGULATORY INFORMATION**

This product is a "Non-Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910-1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-To-Know Act of 1986) Sections 311 and 312

IMMEDIATE (ACUTE) HEALTH HAZARD: No
DELAYED (CHRONIC) HEALTH HAZARD: No
FIRE HAZARD: No
REACTIVE HAZARD: No
SUDDEN RELEASE OF PRESSURE HAZARD: No

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-To-Know Act of 1986) Sections 313

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Hazardous Substances List and/or Pennsylvania Environmental Hazardous Substance List

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Special Hazardous Substances List

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

U.S. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm at levels which would require a warning under the statute.

U.S. Toxic Substances Control Act

All components of the product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40CFR 720.30.

**Section 16
OTHER INFORMATION**

PRODUCT LITERATURE

Information on this product and other products we offer can be found on our website. Consult your PureAg professional if you require additional information.

KEY TO ABBREVIATIONS:

Prop.: Proprietary
CAS: Chemical Abstract Service
PPE: Personal Protective Equipment
NE: None Established
N/A: Not Applicable
TTC: Tag Closed Cup
OSHA: Occupational Safety and Health Administration.



HAZARD RATING:

4 Extreme
 3 High
 2 Moderate
 1 Slight
 0 Insignificant

The information contained in this document applies to the specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of PureAg® LLCs' knowledge or obtained from sources PureAg believes to be accurate. Before using any product, read all warnings and instructions on the label.

SDS preparation: 07/14/15
 Contact: Michael Hughes
 Phone: 801-651-3201