

MATERIAL SAFETY DATA SHEET

Agriliance, LLC

PRODUCT NAME(S)For Emergency Call: 877-424-7452 or
Chem Trec: 800-424-9300**HEAT WAVE**

Effective Date: 1/22/02

I. IDENTIFICATION**CHEMICAL NAME OF PRIMARY COMPONENT(S):** Surfactant Blend**FORMULA:** N/A**MOLECULAR WEIGHT:** N/A**SYNONYMS:** Agricultural Foam Marker **CAS # & NAME:** N/A Blend**EPA Reg No.** N/A**II. INGREDIENTS/SUMMARY OF HAZARDS**

(H)/INGREDIENT(S)	CAS NUMBER	OSHA HAZARD NON-HAZARD (NH)	PERCENT
Surfactant Blen	N/A	Yes	77
2 – Butoxyethanol	111-76-2	Yes	19
Ethnol	64-17-5	Yes	< 4

	NFPA ^{1/}	HMIS ^{2/}
HEALTH	2	2
FIRE	2	2
REACTIVITY	0	0

1/ National Fire Protection Association Rating

2/ Hazardous Materials Identification System

(4 = Extreme/Severe 3 = High/Serious 2 = Moderate 1 = Slight 0 = Minimum)

SARA TITLE III HAZARD CLASSIFICATION

IMMEDIATE (ACUTE) HEALTH	Yes
DELAYED (CHRONIC) HEALTH	No
FIRE	YES
SUDDEN RELEASE OF PRESSURE	No
REACTIVE	No

III. PHYSICAL DATA

SPECIFIC GRAVITY: 1.0 (+/- .05) at 25 C
BOILING POINT: N/A
VAPOR PRESSURE: N/A
SOLUBILITY IN WATER: Soluble
APPEARANCE: Pale yellow liquid
ODOR: Mild

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 107° F (Setaflash closed cup)
FLAMMABLE LIMITS IN AIR: N/A
AUTOIGNITION TEMPERATURE: N/A
EXTINGUISHING MEDIA: Foam, dry chemical, CO₂, Large fires: alcohol foam, universal foam, water spray
UNUSUAL FIRE AND EXPLOSION HAZARDS: Product will burn under fire conditions, Vapors may travel a considerable distance to a source of ignition and flash back along vapor trail. Closed containers may explode (due to the build up of pressure) when exposed to extreme heat.
SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus when fighting any fire in an enclosed area and full protective clothing..

V. REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Excessive heat and open flame, spark.
MATERIALS TO AVOID: Strong oxidizing or reducing agents
HAZARDOUS DECOMPOSITION PRODUCTS: Upon burning – oxides of sulfur and carbon, nitrogen
HAZARDOUS POLYMERIZATION: Will not occur

VI. HEALTH HAZARD DATA/FIRST AID PROCEDURES**TOXICOLOGY DATA:**

Acute Oral LD₅₀ (rat): Not conducted
Acute Dermal LD₅₀ (rat): “
Acute Inhalation LC₅₀(4hr rat): “
Eye Irritation (rabbit): “
Dermal Irritation (rabbit): “
Dermal Sensitization: “

EXPOSURE LIMITS:

CHEMICAL NAME(S)	ACGIH (TWA)	OSHA (TWA)
2-Butoxyethanol	20 ppm	25 ppm
Ethanol	1000 ppm	1000 ppm

CARCINOGENICITY, TERATOGENICITY, MUTAGENICITY:

This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

PRIMARY ROUTES OF ENTRY: Ingestion, skin absorption.

EFFECTS OF SINGLE OVEREXPOSURE:

Swallowing: Harmful if swallowed. Can cause nausea, vomiting, and diarrhea.

Skin Absorption: Irritant. Can cause redness, inflammation, irritation. May be harmful if absorbed through skin. May produce symptoms similar to those from inhalation.

Inhalation: May be harmful if inhaled. Mists may cause upper respiratory tract irritation, drowsiness, depression, dizziness and headache.

Eyes: Irritation can occur causing redness, tearing and pain.

EFFECTS OF REPEATED OVEREXPOSURE: Same as acute overexposure.

EXISTING MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: Skin contact may aggravate existing skin disease.

EMERGENCY AND FIRST AID PROCEDURES:

Swallowing: Call a poison control center or doctor. If person is conscious and alert, give 1 – 2 glasses of water to drink. Do not induce vomiting unless directed to by poison control center or doctor. Do not give anything by mouth to an unconscious person.

Skin: Remove contaminated clothing. Immediately wash skin with plenty of soap and water for at least 5 minutes. Call a poison control center or doctor for treatment advice if irritation develops or persists. Clean contaminated clothing and shoes before reuse.

Inhalation: If respiratory irritation or distress occurs remove person to fresh air. If not breathing call 911 or an ambulance, and apply artificial respiration (preferably mouth-to-mouth).

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. Call a poison control center or doctor for treatment advice.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Material should be contained then collected and disposed of in a proper manner. Avoid discharge into surface waters.

WASTE DISPOSAL METHOD: Dispose of in an approved waste disposal facility in accordance with all Federal, state and local regulations.

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other means approved by state and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep out of reach of children. Ship and Store Above 40° F. Keep in original container tightly closed.

VIII. SPECIAL PROTECTION INFORMATION

PROTECTIVE EQUIPMENT SHOULD BE USED DURING THE FOLLOWING PROCEDURES:

- Manufacture or formulation of this product.
- Repair and maintenance of contaminated equipment.
- Clean up of leaks and spills.
- Any other activity that may result in hazardous exposures

RESPIRATORY PROTECTION: None required if adequate ventilation.

VENTILATION: Local exhaust

PROTECTIVE CLOTHING: Chemical resistant gloves, coveralls, apron and foot coverings.

EYE PROTECTION: Safety goggles or face shield.

USER SAFETY RECOMMENDATIONS: Safety showers and eye wash should be easily accessible.

IX. REGULATORY STATUS

TSCA INVENTORY STATUS:

TRANSPORTATION STATUS: Cases and 30 gal. dums not regulated.

DOT INFORMATION:

Container Capacity	Proper Shipping Name	Hazard Class	Label	Packing Group
Greater than 119 gallons	Combustible Liquid, N.O.S., (2-Butoxyethanol, Ethanol), 3, NA 1993	3	Combustible 1993	III

SARA TITLE III

Section 302-304 (40 CFR 350): No

Extremely Hazardous Substance (EHS): No

Section 312, Reporting (40 CFR 370): No

SARA/OSHA Hazardous Chemical Reporting Quantity: ? lbs

Section 313, Toxic Chemicals: None

Reportable Quantity (RQ):

RCRA HAZARDOUS WASTE:

Inventory Issues: All functional components of this product are listed on the TSCA Inventory.

X. REFERENCES

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH,
BUT, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.