

MATERIAL SAFETY DATA SHEET

PREFERENCE

MANUFACTURER : Agriliance, LLC
ADDRESS: P.O. Box 64089, ST PAUL, MN 55164-0089
EMERGENCY TELEPHONE NO.: CALL CHEMTREC Day or Night 1-800-424-9300
TELEPHONE NO. FOR INFORMATION: 1-800-232-3639

SECTION I - HAZARDOUS INGREDIENTS IDENTITY AND INFORMATION

HAZARDOUS COMPONENTS	ACGIH TWA	OTHER LIMITS	CAS#	%
A proprietary surfactant based mixture which contains:				
ethylene oxide (less than .002%)	1 ppm, A2		75-21-8	
	g/m ³ 1.8 ppm, A2			
dioxane (less than .00%)	25 ppm 90 mg/m ³	NIOSH 1 ppm/30	123-91-1	

SECTION II -- PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: NA SP. GR. (H₂O) : 1.002
VAPOR PRESSURE (mm Hg) : NA MELTING POINT: NA
VAPOR DENSITY : NA EVAPORATION RATE: 0.1038
SOLUBILITY IN WATER: Disperses in water.
APPEARANCE MD ODOR: Dark amber liquid with organic odor.

SECTION III -- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 103 F PMCC FLAMMABLE LIMITS: NDA
EXTINGUISHING MEDIA: Alcohol foam, universal foam, or water fog
SPECIAL FIRE FIGHTING PROCEDURES: None known
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

SECTION IV - - REACTIVITY DATA -STABILITY:

UNSTABLE CONDITONS TO AVOID:

STABLE CONDITIONS TO AVOID:

INCOMPATIBILITY MATERIALS TO AVOID) : Strong oxidizing or reducing agents
HAZARDOUS DECOMPOSITION OR BY PRODUCTS : Acrid smoke

HAZARDOUS POLYMERIZATION :

MAY OCCUR CONDITIONS TO AVOID:

WILL NOT OCCUR CONDITIONS TO AVOID:

SECTION V -- HEALTH HAZARD DATA

SIGNS AND SYMPTOMS OF EXPOSURE: INHALATION-Contains materials that irritate the nose, throat, and respiratory tract, producing headaches, nausea, dizziness, and respiratory irritation. Prolonged exposure to alcohol vapors may produce central nervous system depression. SKIN CONTACT-Contains materials that may be mildly irritating. EYE -Contains materials that may be severely irritating, causing stinging, burning, watering, conjunctivitis, opaqueness of cornea, possibly loss of sight. INGESTION-Contains materials that may be slightly toxic.

EMERGENCY AND FIRST AID PROCEDURES: INGESTION-General precautionary measures suggest inducing vomiting immediately by giving two glasses of water and sticking finger down throat . Never give anything by mouth to an unconscious person. Call a physician. INHALATION-Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician. EYE CONTACT-Flush immediately with water for a least 15 minutes. Call a physician. SKIN CONTACT-Wash thoroughly with soap and water.

SECTION VI -- PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb with earth, sand or similar material and dispose of with solid waste according to Federal, state, and local regulations. Flush spill area with water.

WASTE DISPOSAL METHOD: Dispose of with liquid waste according to all regulations. PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Wash thoroughly after using. Avoid contact with the material. Store in a secure location. Use with adequate ventilation.

OTHER PRECAUTIONS: EO, a cancer and reproductive hazard, may be present in this product. Repeated exposure may be harmful, see Section 8 for control measures .

SECTION VII - - CONTROL MEASURES - - PROCESS AREAS

RESPIRATORY PROTECTION: Use a NIOSH approved respirator if adequate ventilation cannot be provided at any time, or if there is a possibility of contact with closed area above tank or drum.
VENTILATION: LOCAL EXHAUST: Required
PROTECTIVE GLOVES: Impervious
EYE PROTECTION: Chemical goggles
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Long sleeved shirt and coveralls.
WORK/HYGIENIC PRACTICES: Do not eat or smoke while using. Wash thoroughly

SECTION VIII -- REGULATORY COMPLIANCE

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES:

REPORTABLE QUANTITY (RQ) , EPA REGULATION 40 CFR 302 (CERLA Section 102): CHEMICAL: NA CAS # RQ

THRESHOLD PLANNING QUANTITY (TPQ) , EPA REGULATION 40 CFR 355 (SARA Sections 301-304):

CHEMICAL: NA CAS # TPQ

TOXIC CHEMICAL RELEASE REPORTING, EPA REGULATION 40 CFR 372 (SARA Section 313):

CHEMICAL: NA CAS # % BY WEIGHT IN PRODUCT

HAZARDOUS CHEMICAL REPORTING, EPA REGULATION 40 CFR 370 (SARA Sections 311-312):

CHEMICAL: NA CAS #
This product should be reported as a acute, chronic and combustible hazard.

EPA HAZARD CLASSIFICATION CODE :

ACUTE HAZARD XX CHRONIC HAZARD XX FIRE HAZARD XX PRESSURE HAZARD NA REACTIVE HAZARD NA NOT APPLICABLE NA

HAZARD RATING: NFPA
1 FIRE 1 TOXICITY 0 REACTIVITY 0 CORROSIVENESS

HAZARD RATING CODE: 0-None 1-Slight 2-Moderate 3-High U-Unknown

SECTION IX -- TRANSPORTATION INFORMATION:

For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Emergency Response Guidebook for Hazardous Material Incidents. DOT P 5800.5

DOT IDENTIFICATION: Not regulated in volumes of less than 119 gallons.

Volumes greater than 119 gallons—
Combustible Liquid, N.O.S., (Contains Isopropanol) , Combustible Liquid, NA 1993, PG III
and must have a worded COMBUSTIBLE or numeric 1993 placard on two opposing sides of the unit. RQ: NA

OSHA REQUIRED LABEL INFORMATION :
In compliance with hazard and right-to-know requirements, the following OSHA Hazard Warnings should be found on a label , bill of lading or invoice accompanying this shipment: NA

NOTE: Product label will contain additional non-OSHA related information.

DATE: May 19, 1998 SUPERSEDES: January 14, 1996

Revision: Ingredient clarification, address change

The information herein was given in good faith but no warranty, expressed or implied was made. Consult Agriliance, LLC for further information.

NA = NOT APPLICABLE NDA = NO DATA AVAILABLE