UPLAND MSO

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	UPLAND MSO					
DISTRIBUTOR: ADDRESS:	West Central, Inc. 2700 Trott Ave. SW, P.O. Box 897, Willmar, MN 56201					
CHEMTREC PHONE:	US: 1-800-424-9300 International: 1-202-483-7616					
CHEMICAL NAME: CHEMICAL FAMILY: CHEMICAL FORMULA:	Proprietary mixture Methyl Ester of Seed Oil Mixture					
PRODUCT USE:	Adjuvant					
SECTION 1 NOTES:	None					
SECTION 2: HAZARDOUS INGREDI	ENTS					
	SARA 313 OSHA ACGIH					
INGREDIENTCAS NO.Ethylene oxide75-21-8	% WT REPORTABLE TWA STEL Ceiling TWA STEL Ceiling <1 ppm No 1 ppm 5ppm/15min 1 ppm 1 ppm					
SECTION 2 NOTES: None						
SECTION 3: HAZARDS IDENTIFICAT	TION					
ROUTES OF ENTRY:	Eyes, skin, ingestion, inhalation					
POTENTIAL HEALTH EFFECTS EYES:	May cause irritation.					
SKIN:	Prolonged skin contact may cause irritation.					
INGESTION:	May cause nausea, vomiting, diarrhea, and abdominal discomfort.					
INHALATION:	May cause irritation to eyes, nose, throat and respiratory tract.					
ACUTE HEALTH HAZARDS:	ΝΑ					
CHRONIC HEALTH HAZARDS:	NA					
MEDICAL CONDITIONS GENERALL	Y AGGRAVATED BY EXPOSURE: Overexposure to any chemical may result in enhancement of pre-existing adverse medical condition and allergic reactions.					
CARCINOGENICITY OSHA: No ACGIH:	: No NTP: No IARC: No OTHER: No					
SECTION 3 NOTES:	None					

UPLAND MSO

SECTION 4: FIRST AID MEASURES

If in 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. Have the product container with you when calling a poison control center or doctor, or going for treatment.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If Swallowed: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: NA

SECTION 4 NOTES: None

SECTION 5: FIRE-FIGHTING MEASURES						
FLAMMABLE LIMITS IN AIR, UPPER: NA (% BY VOLUME) LOWER: NA						
FLASH POINT: F: >200						
C: >93 PMCC						
AUTOIGNITION TEMPERATURE: F: NA						
C: NA						
NFPA HAZARD CLASSIFICATION HEALTH: 1 FLAMMABILITY:	1	REACTIVITY:	0	OTHER: -		
HMIS HAZARD CLASSIFICATION HEALTH: NA FLAMMABILITY:	NA	REACTIVITY:	NA	PROTECTION:	NA	
EXTINGUISHING MEDIA:	Foam, Dry Chemical, C02, Water					
SPECIAL FIRE FIGHTING PROCEDURES:	Use a positive-pressure, self-contained air supply. Avoid getting water from fire-fighting into domestic or irrigation water supplies.					
UNUSUAL FIRE AND EXPLOSION HAZARDS:		NA				
HAZARDOUS DECOMPOSITION PRODUCTS:		CO2, CO				
SECTION 5 NOTES:	None					
SECTION 6: ACCIDENTAL RELEASE MEASURES						
ACCIDENTAL RELEASE MEASURES:						
SECTION 6 NOTES: None						
SECTION 7: HANDLING AND STORAGE						
HANDLING AND STORAGE: Material should be collected and disposed in proper manner. Avoid Discharge to natural waters. Absorb with an inert material such as sand, soil or vermiculite. Wear suitable protective equipment.						
SECTION 7 NOTES: None						

UPLAND MSO

SECTION 8: EXPOSURE CONTROL	S/PERSONAL PROTECTION					
VENTILATION :	Normal room ventilation (mechanical) should be satisfactory.					
RESPIRATORY PROTECTION:	Wear a NIOSH/OSHA approved respirator if necessary.					
EYE PROTECTION:	Wear goggles or a face shield.					
SKIN PROTECTION:	Rubber gloves.					
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye bath and safety shower.						
WORK HYGIENIC PRACTICES:	Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.					
EXPOSURE GUIDELINES:						
SECTION 8 NOTES:	None					
SECTION 9: PHYSICAL AND CHEM	IICAL PROPERTIES					
APPEARANCE:	Clear, yellow to brown					
ODOR:	Fatty odor					
PHYSICAL STATE:	Liquid					
pH AS SUPPLIED: pH (Other): BOILING POINT: F: C: MELTING POINT: F: C: FREEZING POINT: F: C: VAPOR PRESSURE (mmHg): @ F: C: VAPOR DENSITY (AIR = 1): @ F: C: SPECIFIC GRAVITY (H2O = 1): @ F: 68 C: 20 EVAPORATION RATE: BASIS (butyl acetate=1):	4-6 @ 1% Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown					
SOLUBILITY IN WATER:	Dispersible					
VISCOSITY: @ F: C:	Unknown					

SECTION 9 NOTES:

None

UPLAND MSO

SECTION 10: STABILITY AND REACTIVITY				
STABILITY: Stable	Unstable O			
CONDITIONS TO AVOID (STABILITY):		Prolonged excessive heat.		
INCOMPATIBILITY (MATERIAL TO AVOID):		Strong oxidizing agents.		
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:		CO2, CO		
HAZARDOUS POLYMERIZATION:		Will not occur.		
CONDITIONS TO AVOID (POLYMERIZATION):		None known		
SECTION 10 NOTES:		None		
SECTION 11: TOXICOLOGICAL INFO	ORMATION			
TOXICOLOGICAL INFORMATION:	Not available			
SECTION 11 NOTES:	None			
SECTION 12: ECOLOGICAL INFORM	IATION			
ECOLOGICAL INFORMATION:	Not available			
SECTION 12 NOTES:	None			
SECTION 13: DISPOSAL CONSIDER	ATIONS			
WASTE DISPOSAL METHOD: Do not contaminate water, food or feed by storage or disposal. Dispose of in an approved waste disposal facility in accordance with all Federal, State and Local Regulations.				
RCRA HAZARD CLASS:	NA			
SECTION 13 NOTES:	None			
SECTION 14: TRANSPORT INFORMATION				
U.S. DEPARTMENT OF TRANSPORT PROPER SHIPPING NAME: HAZARD CLASS: ID NUMBER: PACKING GROUP: LABEL STATEMENT:	ATION Not regulated Not regulated Not regulated Not regulated			
OTHER AGENCIES:				
SECTION 14 NOTES:	None			

SECTION 15: REGULATORY INFORMATION

UPLAND MSO

U.S. FEDERAL REGULATIONS TSCA (TOXIC SUBSTANCE CONTROL ACT): All components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory. CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): CAS Number RQ Chemical Name Range in % Glycol ethers (fraction of product matching EPA definition) Mixture 0.9-1.8 1 Residual ethylene oxide (typical) 75-21-8 < 0.001 10 SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Section 302/304 Extremely Hazardous Substances **Chemical Name** CAS Number Range in % TPQ RQ Residual ethylene oxide (typical) 75-21-8 < 0.001 Below reportable concentrations 311/312 HAZARD CATEGORIES: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: Immediate Health Hazard 313 REPORTABLE INGREDIENTS: Concentration CAS Number **Chemical Name** Glycol ethers (fraction of product matching EPA definition) 0.9-1.8 Mixture STATE REGULATIONS: WARNING! This product contains a detectable amount of ethylene oxide, which is known to the State of California to cause cancer and/or reproductive toxicity.

Ethoxylated products may contain residual amounts of ethylene oxide (EO) which can accumulate in the container headspace and be released into the ambient environment. This process is enhanced when the product is agitated, as during tank car loading and unloading, and blending operations. Ethylene oxide causes tumors in laboratory animals. The Occupational Safety and Health Administration (OSHA) Permissible Exposure Level (PEL) for EO is 1 ppm for an eight-hour time weighted average exposure. The standard regulates occupational exposure to EO from all sources, including products containing residual EO. It is the responsibility of the employer to comply with OSHA ethylene oxide standard (29) CFR 1910.1047).

SECTION 15 NOTES: None

SECTION 16: OTHER INFORMATION				
OTHER INFORMATION:	None			
PREPARATION INFORMATION:	Prepared on 3/9/10			

DISCLAIMER:

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

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