

MATERIAL SAFETY DATA SHEET
STAKE

MSDS DATE: 2/5/10
SUPERSEDES: NONE

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: STAKE
DISTRIBUTOR: West Central, Inc.
ADDRESS: 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: Proprietary mixture
CHEMICAL FAMILY: Agricultural high surfactant oil concentrate
CHEMICAL FORMULA: Mixture
PRODUCT USE: Pest control adjuvant
SECTION 1 NOTES: None

SECTION 2: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT/% VOL</u>	<u>SARA 313</u> <u>REPORTABLE</u>	<u>OSHA</u>			<u>ACGIH</u>		
				<u>TWA</u>	<u>STEL</u>	<u>Ceiling</u>	<u>TWA</u>	<u>STEL</u>	<u>Ceiling</u>
Ethylene oxide	75-21-8	<1 ppm	No	1 ppm	5ppm/15min		1 ppm		

SECTION 2 NOTES: Product does NOT contain any pesticides or pest control agents *See section 15

SECTION 3: HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Eyes, skin, ingestion, inhalation

POTENTIAL HEALTH EFFECTS

EYES: Direct contact with material or exposure to vapors is not expected to cause irritation.

SKIN: Direct contact with material or exposure to vapors is not expected to cause irritation. Prolonged or repeated skin contact may cause drying, cracking or dermatitis.

INGESTION: May cause throat irritation, nausea, vomiting and diarrhea. Aspiration during ingestion may cause lung injury or possible death.

INHALATION: High concentrations of vapors or mist may irritate the respiratory tract. Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation and fibrous tissue formation.

ACUTE HEALTH HAZARDS: None known beyond above

CHRONIC HEALTH HAZARDS: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

CARCINOGENICITY

OSHA: No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** See section 15, State Regulations

SECTION 3 NOTES: None

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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: Product does NOT contain a pesticide or pest control product. Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

SECTION 4 NOTES: None

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: Unknown
(% BY VOLUME) **LOWER:** Unknown

FLASH POINT:

F: >200

C: >93

METHOD USED:

PMCC

AUTOIGNITION TEMPERATURE:

Unknown

F:

C:

NFPA HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABILITY:** 1 **REACTIVITY:** 0 **OTHER:** -

HMIS HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABILITY:** 1 **REACTIVITY:** 0 **PROTECTION:** B

EXTINGUISHING MEDIA:

Water, carbon dioxide, dry chemical or foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self-contained breathing apparatus when fire fighting in confined space.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Burning may produce carbon monoxide. Decomposition or combustion products may be toxic. Empty containers may retain residue and may be dangerous. Heated containers may rupture.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon

SECTION 5 NOTES:

None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

Small Spills:

Flush the area thoroughly with water and scrub to remove residue.

Large Spills:
containment.

Contain spill, cover with inert absorbent and transfer to waste disposal

SECTION 6 NOTES:

None

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SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Maintain good housekeeping practices and clean up spills promptly. NFPA Class III B storage. Never siphon by mouth.

SECTION 7 NOTES: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION : Local exhaust ventilation recommended if generating vapor, dust, or mist. If exhaust ventilation is not available or inadequate, use MSHA or NIOSH approved respirator as appropriate.

RESPIRATORY PROTECTION: Not necessary unless ventilation is inadequate. Then use MSHA or NIOSH approved respirator, as appropriate.

EYE PROTECTION: Chemical splash goggles.

SKIN PROTECTION: Impermeable gloves, long sleeves, long pants, rubber apron

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash stations, safety showers

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: None known

SECTION 8 NOTES: None

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, amber

ODOR: Mild

PHYSICAL STATE: Liquid

pH AS SUPPLIED: Not Applicable
pH (Other): Unknown

BOILING POINT:
F: Unknown
C: Unknown

MELTING POINT:
F: Unknown
C: Unknown

FREEZING POINT:
F: Unknown
C: Unknown

VAPOR PRESSURE (mmHg): Unknown
@
F:
C:

VAPOR DENSITY (AIR = 1): Unknown
@
F:
C:

SPECIFIC GRAVITY (H2O = 1): ~0.90
@
F: 68
C: 20

EVAPORATION RATE:
BASIS (butyl acetate=1): Unknown

SOLUBILITY IN WATER: Dispersible

VISCOSITY: Unknown
@
F:
C:

SECTION 9 NOTES: None

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable Unstable

CONDITIONS TO AVOID (STABILITY): None known

INCOMPATIBILITY (MATERIAL TO AVOID): None known

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under fire conditions, oxides of carbon

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None known

SECTION 10 NOTES: None

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SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Not available

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not available

SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Disposal must be made in accordance with applicable governmental regulations.

RCRA HAZARD CLASS: Not regulated

SECTION 13 NOTES: None

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Not regulated

HAZARD CLASS: Not regulated

ID NUMBER: Not regulated

PACKING GROUP: Not regulated

LABEL STATEMENT: Not regulated

SECTION 14 NOTES: None

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SECTION 15: REGULATORY INFORMATION

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):

Chemical Name	CAS Number	Range in %	RQ
Glycol ethers (fraction of product matching EPA definition)	Mixture	1.00-2.00	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:

CAS Number	Chemical Name	Concentration
Mixture	Glycol ethers (fraction of product matching EPA definition)	1.00-2.00

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 2/5/10

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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