

CHEMWETT PLUS

Low Foam Spreader- Activator;

Nonionic Surfactant

Coastal AgroBusiness, Inc.

PO Box 856

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(252)756-1126

Emergency Phone Numbers:

Chemtrec(24 hrs): 1-800-424-9300

Coastal(Weekdays): 1-800-758-3456

IDENTITY

Trade Name: ChemWett Plus

EPA Reg. No.: Not Applicable

Synonyms: Nonionic surfactant blend

Chemical Name: Alkyl Polyethoxy Ethers and other Ethoxylated derivatives

Common Name: Surfactant

Chemical Family: Alcohol Ethoxylate

Molecular Formula: Mixture

Molecular Weight: Not Determined

INGREDIENT

Component	CAS NO.	WT%	PEL/TLV
Alkyl Polyethoxy Ethers and Other Ethoxylated derivatives	Mixture	80	NOL/NOL
1-Butanol	00071-36-3	1	*100ppm/*50ppm
Glycol Ethers	NA 2.4	NOL/NOL	

* 8 hr TWA

PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance and Odor: Clear/hazy, slightly viscous liquid w/ mild alcohol odor.

Boiling Point: 212°F (100°C)

Melting Point: Not Determined

Vapor Pressure: 4.3 mm Hg @ 20°C (n-butyl alcohol)

Vapor Density (Air=1): <1

% Volatility (V/V): 3.4%

Octanol/H₂O Partition Coef.: Not Determined

pH: 5-7 (1% aqueous)

Saturation in air (V/V): Not Determined

Specific Gravity (H₂O=1): 1.03

Solubility in Water: Soluble

Viscosity: ≈60cps @ 25°C

FIRE AND EXPLOSION DATA

Flash Point: 161°F (71.7°C) (98°F(36.7°C) n-butyl alcohol)

Flammable Limits in Air (V/V):

LEL: 1.4% (n-butyl alcohol)

UEL: 11.2 % (n-butyl alcohol)

Auto-Ignition Temperature: Not Determined

Fire Extinguishing Media: Foam, dry chemical, CO₂ Class BC, ABC fire extinguisher.

Fire Control Tactics: Self-contained positive pressure breathing apparatus and

protective clothing should be worn in fighting fires involving chemicals. Clear fire area of unprotected personnel. Cool fire exposed containers with water. Attack from upwind.

Unusual Fire and Explosion Hazards:

Warning: Contains 1% n-butyl alcohol. Containers exposed to intense heat from fire should be cooled with water to prevent vapor pressure build-up which could result in container rupture. Build-up of vapor could present an explosion hazard.

NFPA HAZARD RATING

Health Hazard: 1-Slightly Hazardous

Fire Hazard: 2-Moderately Combustible

Reactivity: 0-Stable

Specific Hazard: None

REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Heat, sparks, and open flame.

Incompatibility (Materials to Avoid):

Strong oxidizing agents; inorganic acids, aldehydes, and isocyanates.

Reactivity: Non-reactive

Hazardous Decomposition Products: Thermal decomposition will produce oxides of carbon or isobutylene from the n-butyl alcohol.

Hazardous Polymerization: Will not occur.

HEALTH HAZARD INFORMATION

Threshold Limit Value: 50 ppm, 8 hr. TWA (n-butyl alcohol)

Permissible Exposure Limit: 100 ppm, 8 hr. TWA (n-butyl alcohol)

Warning Statements: WARNING Liquid contact with eyes or skin can cause irritation. Avoid contact with eyes and skin. Harmful if swallowed. Do not breathe the vapors. Use only with adequate ventilation. Do not take internally. Keep out of reach of children.

Signs and Symptoms of Exposure:

Irritation of the skin, eyes or nasal passages. Overexposure: Acute toxicity is slight and may cause nausea, dizziness, headache, and other signs of central nervous system depression. Vapor is irritating to the nose, throat, and respiratory tract. Acute inhalation is practically non-toxic and causes symptoms similar to ingestion. May cause severe skin injury (red/swelling). Slightly toxic through skin absorption. May cause severe eye injury. Damage is irreversible.

Medical Conditions Generally

Aggravated by Exposure: Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. Unnecessary exposure to this product or any chemical should be avoided.

Primary Route of Exposure: Inhalation, ingestion.

Acute Toxicity Data:

1. Oral Toxicity:

LD₅₀ 790 mg/kg (n-butyl alcohol)

2. Dermal Toxicity:

LD₅₀ 4.2 g/kg (n-butyl alcohol)

3. Inhalation Toxicity:

LC₅₀ 8000 ppm/4 hr (n-butyl alcohol)

4. Eye Irritation: Moderate

5. Skin Irritation/Sensitization: Slight

Chronic Toxicity Data: This product is not considered a carcinogen by OSHA, NTP, or IARC *Note: This product may contain trace amounts of ethylene oxide (ETO) which could accumulate in the headspace of storage and transport vessels. Repeated/prolonged airborne exposures to ETO may be harmful since ETO is a cancer hazard and reproductive hazard. OSHA has established a 1.0 ppm 8-hour TWA for ETO (29 CFR 1920.1047). Some requirements of this standard may apply to your operation.

Emergency and First Aid Procedures:

1. If swallowed: Induce vomiting of conscious person immediately by giving two glasses of water and pressing finger down throat. Never give anything by mouth to an unconscious person. Contact a physician and be prepared to give information on this MSDS and/or the product label.

2. If Inhaled: Remove person from contaminated area. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact a physician.

3. If in Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire eye surface. Seek medical attention if irritation persists.

4. If on Skin: Remove contaminated clothing and wash with large amounts of soap and water. Seek medical attention if irritation persists.

NOTE TO PHYSICIAN: If victim is a child, give no more than one glass of water and one tablespoon of IPECAC. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

SPECIAL PROTECTION INFORMATION

Respiratory Protection: If vapors are present, use NIOSH or MSHA approved organic vapor cartridge or canister respirator for organic vapors, air-line respirator, or a self-contained breathing apparatus.

Eye Protection: Avoid contact with eyes. Wear full face shield or chemical safety goggles when handling.

Skin Protection: Avoid contact with skin. Use impervious, neoprene or rubber chemical resistant gloves. Wear protective clothing as required to minimize contact.

Launder contaminated clothing before reuse.

Ventilation: Local exhaust: Recommended when appropriate to control employee exposure.

Mechanical (general): Not recommended as the sole means of controlling employee exposure.

Other: For operation where spills or splashing may occur, use impervious body covering and boots. A safety shower and eye wash station should be available near work area. Wear protective clothing to prevent repeated or prolonged contact.

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Handling and Storage: Keep liquid and vapor away from heat, sparks and flame. Avoid overheating or freezing. Vapors may accumulate and travel to ignition sources distant from the handling site. Keep container closed when not in use. Use with adequate ventilation. Spilled material is slippery. Avoid prolonged or repeated contact with skin. Wash thoroughly with soap and water after handling. Do not store or handle in aluminum equipment at temperatures over 120°F.

Steps To Be Taken In Case Material Is Released Or Spilled.

Small Spills: Soak up with absorbent, shovel into a suitable container for recovery or disposal. Spill areas may then be flushed with water.

Large Spills: Eliminate ignition sources. Foam may be used to suppress vapors. Dike the spill to minimize contaminated area and facilitate salvage or disposal. Recover material for use, reprocessing or disposal. Avoid runoff into storm sewers and ditches which lead to natural waterways. Under EPA-CERCLA ("Superfund") releases to air, land or water which exceed the reportable quantity must be reported to the National Response Center.

Waste Disposal Methods: (Incineration is preferred) in accordance with all applicable Federal, State and Local regulations. Material collected with absorbent may be disposed in a permitted landfill in accordance with Federal, State and Local regulations. Empty container may retain vapor or product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed. Note: Contains n-butyl alcohol at 1%. Sufficient quantities of disposal material may be considered a hazardous waste. (RCRA 40 CFR 261.33-Hazardous Waste Number U031). Refer to latest EPA or State regulations regarding proper disposal.

SHIPPING DATA

(PACKAGE AND BULK)

D.O.T. Proper Shipping Name: Not Regulated

D.O.T. Hazard Classification:

Primary: Not Applicable

Secondary: Not Applicable

D.O.T. Labels Required: None

D.O.T. Placards Required: None

Poison Constituent: Not Applicable

Hazardous Substance: n-butyl alcohol

Reportable Quantity (RQ):

Product: 58,112 gal.

Ingredient: 5000 lbs. (N-butyl alcohol)

Bill of Landing Description:

Agricultural sprayable product liquid, Adjuvant, NOS (Alkylaryl Surfactants), Contains n-butyl alcohol at 1%.

Transportation Emergency #:

CHEMTREC: (800)424-9300

ADDITIONAL REGULATORY INFORMATION

Sara Title III Data:

Section 311 and 312 Hazard Categories:

Immediate Health Hazard:	Y
Delayed Health Hazard:	N
Fire Hazard:	N
Reactive Hazard:	N
Sudden Pressure Release Hazard	N

Section 302:

EHS: None; TPQ: 10,000 lbs.

Section 313: n-butyl alcohol is reportable under Section 313. (Contains n-butyl alcohol at 1%.) Glycol ethers are reportable under Section 313. (Contains Glycol ethers at 2.4%)

CERCLA Reportable Quantity: 58,112 (product); 5000 lbs. (N-butyl alcohol)

Other: n-butyl alcohol is listed on the EPA/TSCA inventory of chemical substances.

National Response Center:

(800)424-8802

CHEMTREC: (800)424-9300

The information and statements herein are believed to be reliable and are given in good faith but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.

MSDS NO.: 10420

DATE PREPARED: 02/15/86

DATE REVISED: 03/7/03

APPROVED: *JM Pearce*