

Safety Data Sheet

ChemWett Plus

SDS Number: 10420
 SDS Prepared: 02/15/1986
 SDS Version: 3.0
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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ChemWett Plus
CHEMICAL NAME: Alkyl Polyethoxy Ethers and other Ethoxylated derivatives
CHEMICAL FAMILY: Alcohol Ethoxylate
SYNONYMS: Nonionic surfactant blend
COMMON NAME: Surfactant
EPA REGISTRATION NUMBER: Not Applicable

Manufactured by:
 Coastal AgroBusiness Inc.
 PO Box 856
 Greenville, NC 27835
 Phone: 1-800-635-1388

Emergency Telephone Numbers
 Chemtec (24 hours)
 1800-424-9300
 Coastal AgroBusiness, Inc. (Weekdays – Eastern Standard Time)
 1-800-635-1388

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – 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.

This product is a clear/hazy, slightly viscous liquid with a mild alcohol odor. Primary routes of entry are inhalation and ingestion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>PEL/TLV</u>
Alkyl Polyethoxy Ethers and Other Ethoxylated derivatives	80%	Mixture	NOL/NOL
1-Butanol	1%	71-36-3	*100ppm/*50ppm
Glycol Ethers	2.4%	N/A	NOL/NOL

*8 hr TWA

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least fifteen minutes, holding eyelids apart to ensure flushing of the entire eye surface. Do not let victim rub eyes. Seek medical attention.
SKIN: Remove contaminated clothing and wash with large amounts of soap and water. If irritation develops, contact a physician.
INGESTION: 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.

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.

INHALATION: Remove person from area of exposure. Give artificial respiration if necessary. If breathing is difficult, give oxygen if qualified operator is available. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method):	161°F (71.7°C) (98°F(36.7°C) n-butyl alcohol)
FLAMMABLE LIMITS (LFL & UFL):	LEL: 1.4% (n-butyl alcohol) UEL: 11.2 % (n-butyl alcohol)
EXTINGUISHING MEDIA:	Foam, dry chemical, CO ₂ Class BC, ABC fire extinguisher.
HAZARDOUS COMBUSTION PRODUCTS:	None known
SPECIAL FIRE FIGHTING PROCEDURES:	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.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF 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.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING:	Use with adequate ventilation. Spilled material is slippery. Avoid prolonged or repeated contact with skin. Wash thoroughly with soap and water after handling.
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 storage or handling site. Keep container closed when not in use. Do not store or handle in aluminum equipment at temperatures over 120°F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THRESHOLD LIMIT VALUE:	50 ppm, 8 hr. TWA (n-butyl alcohol)
PERMISSIBLE EXPOSURE LIMIT:	100 ppm, 8 hr. TWA (n-butyl alcohol)
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 ROUTES OF ENTRY:	Inhalation, ingestion.

ENGINEERING CONTROLS:	Local exhaust: Recommended when appropriate to control employee exposure. Mechanical (general): Not recommended as the sole means of controlling employee exposure.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND COLOR:	Clear/hazy, slightly viscous liquid with mild alcohol odor.
SPECIFIC GRAVITY: (Water=1):	1.03
VAPOR PRESSURE:	4.3 mm Hg @ 20°C
VAPOR DENSITY (Air = 1):	<1
% VOLATILITY (V/V):	3.4%
BOILING POINT:	212°F (100°C)
MELTING POINT:	Not determined
SOLUBILITY:	Soluble
pH:	5-7 (1% aqueous)
VISCOSITY @ 22°C:	≈60cps @ 25°C

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID:	Heat, sparks, and open flame.
INCOMPATIBILITY:	Strong oxidizing agents; inorganic acids, aldehydes, and isocyanates.
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition will produce oxides of carbon or isobutylene from the n-butyl alcohol.
HAZARDOUS POLYMERIZATION:	Will not occur

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD₅₀:	790 mg/kg (n-butyl alcohol)
EYE IRRITATION:	Moderate
INHALATION LC₅₀:	8000 ppm/4 hr (n-butyl alcohol)
CARCINOGENETIC POTENTIAL:	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.
ACUTE DERMAL LD₅₀:	4.2 g/kg (n-butyl alcohol)
SKIN IRRITATION/SENSITIZATION:	Slight

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Place in trash or offer for recycling. Incinerate contaminated solids in accordance with local, state, and federal regulations.

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.

14. TRANSPORTATION INFORMATION

D.O.T. Shipping Description: NOT REGULATED BY DOT BY HIGHWAY.
Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:

NFPA

1 Health
2 Flammability
0 Reactivity

HMIS

1 Health
2 Flammability
0 Reactivity
C PPE

SARA Hazard Notification/Reporting

SARA Title III Hazard Category:

Immediate: Y
Delayed: N

Fire: N
Reactive: N

Reportable Quantity (RQ) under U.S. CERCLA:

SARA, Title III, Section 313:

Sudden Release of Pressure: N
58,112 (product); 5000 lbs. (N-butyl alcohol)

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%)

SARA, Title III, Section 302:

EHS

None

TPQ

10,000 lbs

RCRA Waste Code:

F003

CA Proposition 65:

Not listed

16. OTHER INFORMATION

SDS STATUS:

Updated

REASON FOR CHANGE:

To meet new regulatory requirements

PREPARED BY:

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ChemWett Plus
Low Foam Spreader-Activator
Nonionic Surfactant