Coastal AgroBusiness, Inc.

# Safety Data Sheet

SDS Number: 10420
SDS Prepared: 02/15/1986
SDS Version: 3.1
Version Date: 11/30/2016

# ChemWett Plus

## 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**
Chemtrec (24 hours)
1-800-424-9300
Coastal AgroBusiness, Inc. (Weekdays – Eastern Standard Time)
1-800-635-1388

## 2. HAZARDS IDENTIFICATION SUMMARY

**CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**
**GHS-US Classification**
Acute Toxicity - Oral 5 H303
**LABEL ELEMENTS**
**GHS-US Labeling**
**SIGNAL WORD (GHS-US)**
WARNING
**HAZARD STATEMENTS (GHS-US)**
H303 - May be harmful if swallowed.
**PRECAUTIONARY STATEMENTS (GHS-US)**
P102 - Keep out of reach of children.
P203 - Obtain, read, and follow all safety instructions before use.
P260 - Do not breathe dust/fumes/gas/mist/vapors/spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do not eat, drink, or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P281 - Use personal protective equipment as required.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P330 - Rinse mouth.
P308+P311 - If exposed or concerned: Call a POISON CENTER or doctor.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a POISON CENTER or doctor if you feel unwell.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Ingredients: | Percentage by Weight: | CAS No. | PEL/TLV |
|---|---|---|---|
| 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:** Call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

**INGESTION:** Induce vomiting in a conscious person immediately by giving two glasses of water and pressing fingers down the throat. Never give anything by mouth to an unconscious person. Contact a physician and be prepared to give information on this SDS and/or the product label.

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

## 5. FIRE FIGHTING MEASURES

**FLASH POINT (◦F/Test Method):** 161°F (71.7°C) (n-butyl alcohol: 98°F (36.7°C))

**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

**SMALL SPILLS:** Soak up with absorbent into a suitable container for recovery or disposal. Spill areas may then be flushed with water.

**LARGE SPILLS:** Eliminate all sources of ignition. 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 that 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. |
| **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 and 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

| | |
|---|---|
| **COLOR AND PHYSICAL STATE:** | Clear/hazy, slightly viscous liquid |
| **ODOR:** | 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:** | Completely miscible in water |
| **pH:** | 5.0 - 7.0 |
| **VISCOSITY @ 77°F (25°C):** | ≈ 60 cps |

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:** | Inorganic acids, aldehydes, isocyanates, and strong oxidizing agents |
| **HAZARDOUS DECOMPOSITION PRODUCTS:** | Thermal decomposition will produce carbon oxides or isobutylene from the n-butyl alcohol. |
| **HAZARDOUS POLYMERIZATION:** | Will not occur. |

## 11. TOXICOLOGICAL INFORMATION

| | |
|---|---|
| **ACUTE ORAL $LD_{50}$:** | May be harmful if swallowed |
| **ACUTE DERMAL $LD_{50}$:** | No data available |
| **ACUTE INHALATION $LC_{50}$:** | No data available |
| **EYE IRRITATION:** | May cause eye irritation |
| **SKIN IRRITATION/SENSITIZATION:** | Slight |
| **CARCINOGENIC 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 a 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.

## 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 of 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 hazardous waste. (RCRA 40 DFR 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.
**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 | | HMIS | |
|---|---|---|---|---|
| | 1 Health | 0 Reactivity | 1 Health | 0 Reactivity |
| | 2 Flammability | | 2 Flammability | C PPE |

**SARA Hazard Notification/Reporting**
**SARA Title III Hazard Category:** Immediate: Y Fire: N Sudden Release of Pressure: N
Delayed: N Reactive: N
**Reportable Quantity (RQ) under U.S. CERCLA:** 58,112 (product); 5000 lbs. (n-butyl alcohol)
**SARA, Title III, 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%).
**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:** Updated Technical Information
**PREPARED BY:** Emma Simpson, Product Development Specialist - Chemist

Disclaimer and Limitation of Liability: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and Coastal AgroBusiness, Inc. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.

ChemWett Plus