

# Safety Data Sheet

## Co-Mix

SDS Number: 10460  
SDS Prepared: 02/15/1986  
SDS Version: 3.3  
Version Date: 10/07/2024

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Co-Mix  
**CHEMICAL NAME:** Alkylaryl Polyoxyethylene glycol phosphate ester  
**EPA REGISTRATION NUMBER:** Not Regulated

**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**

Skin Irritant 2	H315
Eye Irritant 2A	H319
Acute Toxicity – Oral 5	H303
STOT SE 3 Respiratory Tract Irritation	H335
STOT SE 3 Narcotic Effects	H336
Flammable Liquid 4	H227
Corrosive to Metals 1	H290

**LABEL ELEMENTS**

**GHS-US Labeling**

**Hazard Pictogram (GHS-US)**



GHS07

**SIGNAL WORD (GHS-US)**

**HAZARD STATEMENTS (GHS-US)**

**PRECAUTIONARY STATEMENTS (GHS-US)**

**WARNING**

H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H303 - May be harmful if swallowed  
H335 - May causes respiratory irritation  
H336 - May cause drowsiness or dizziness  
H227 - Combustible liquid  
H290 - May be corrosive to metals  
P102 - Keep out of reach of children  
P203 - Obtain, read and follow all safety instructions before use.  
P210 – Keep away from heat, hot surface, sparks, open flames, and other ignition sources. – No smoking

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.  
 P280 - Wear protective gloves, protective clothing, and eye protection.  
 P273 - Avoid release to the environment.  
 P301+P330+P312 – IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.  
 P303+P361+P353 – IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.  
 P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P337+P313 – If eye irritation persists: Get medical advice/attention.  
 P363 – Wash contaminated clothing before reused.  
 P402 – Store in a dry place/  
 P403+P233 + P235 - Store in a well-ventilated place. Keep container tightly closed and cool.  
 P405- Store locked up.  
 P406 – Store in a corrosive resistant container with a resistant inner liner.  
 P501- Dispose of contents/container in accordance with local, regional, national, and international regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>PEL/TLV</u>
Alkylaryl Polyoxyethylene glycol phosphate ester	70%	Mixture	NOL/NOL
Phosphoric Acid	2.1%	07664-38-2	1 mg/m <sup>3</sup>
n-butyl Alcohol *8 hr TWA.	10.0%	00071-36-3	*100ppm/*50ppm

### 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.

**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):** >150°F (65.5°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<sub>2</sub> Class BC, ABC fire extinguisher.

<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	None known
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	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.
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	Contains 10% 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. See flammable limits above.

## 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 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 exceeds the reportable quantity must be reported to the National Response Center.

## 7. HANDLING AND STORAGE

**HANDLING:** 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.

**STORAGE:** Do not store or handle in aluminum equipment at temperatures over 120°F.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>THRESHOLD LIMIT VALUE:</b>	50 ppm, 8 hr. TWA (n-butyl alcohol)
<b>PERMISSIBLE EXPOSURE LIMIT:</b>	100 ppm, 8 hr. TWA (n-butyl alcohol)
<b>SIGNS AND SYMPTOMS OF EXPOSURE:</b>	Irritation of the skin, eyes or nasal passages. Contact with eyes is painful and irritating and will cause chemical burns. Overexposure: Acute toxicity is slight and may cause nausea, dizziness, headache, and other signs of central nervous system depression. Also irritating to mucous membranes. 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. Slightly toxic through skin absorption. May cause severe eye injury. Damage is irreversible.
<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:</b>	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.
<b>PRIMARY ROUTES OF ENTRY:</b>	Inhalation, ingestion.
<b>ENGINEERING CONTROLS:</b>	Use adequate exhaust ventilation to prevent inhalation of product vapors.
<b>RESPIRATORY PROTECTION:</b>	If vapors are present, use NIOSH or MSHA approved respirator for acidic vapors, air-line respirator, or a self-contained breathing apparatus.
<b>EYE PROTECTION:</b>	Avoid contact with eyes. Wear full face shield or chemical safety goggles when handling.
<b>SKIN PROTECTION:</b>	Avoid contact with skin. Use impervious gloves and clothing to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE AND COLOR:</b>	Clear to hazy, colorless, slightly viscous liquid with a mild alcohol-like odor.
<b>SPECIFIC GRAVITY: (Water=1)</b>	1.173
<b>VAPOR PRESSURE:</b>	4.3 mm Hg @ 20°C (n-butyl alcohol)
<b>VAPOR DENSITY (Air = 1)</b>	>1
<b>% VOLATILITY (V/V)</b>	5.0%
<b>BOILING POINT:</b>	212°F (100°C)
<b>MELTING POINT:</b>	Not Determined
<b>SOLUBILITY:</b>	Miscible
<b>pH:</b>	≈3 (1% aqueous solution)
<b>VISCOSITY @ 20°C</b>	Increases with lower temperatures.

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

<b>STABILITY:</b>	Stable under normal conditions
<b>CONDITIONS TO AVOID:</b>	Extreme temperatures; heat, sparks, or open flame. Do not store or handle in aluminum equipment at temperatures over 120°F. Do not store or handle in mild steel containers.
<b>INCOMPATIBILITY:</b>	Strong oxidizing agents; Strong alkali or caustic.
<b>REACTIVITY:</b>	Prolonged contact with mild steel will react to form highly explosive hydrogen gas.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Phosphorus oxides, oxides of carbon and unidentified organic compounds may be formed during combustion.
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur

## 11. TOXICOLOGICAL INFORMATION

<b>ACUTE ORAL LD<sub>50</sub>:</b>	May be harmful if swallowed.
<b>EYE IRRITATION:</b>	Causes serious eye irritation.
<b>INHALATION LC<sub>50</sub>:</b>	No data available.
<b>CARCINOGENETIC POTENTIAL:</b>	This product is not carcinogenic teratogenic or mutagenic as determined by OSHA, NTP, or IARC. Danger of methemoglobin formation.
<b>ACUTE DERMAL LD<sub>50</sub>:</b>	No Data available.
<b>SKIN IRRITATION/SENSITIZATION:</b>	Causes skin irritation.
<b>Specific target organ toxicity, single exposure:</b>	May cause respiratory irritation. (n-butyl alcohol). May cause drowsiness and dizziness. (n-butyl alcohol).

## 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 5% and phosphoric acid at 2.1%. 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

Sudden Release of Pressure: N

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

**Product:** 11,265 gal. (N-butyl alcohol); 26,821 gal. (Phosphoric acid)  
**Ingredient:** 5000 lbs. (N-butyl alcohol); 5000 lbs (phosphoric acid)

### SARA, Title III, Section 313:

n-butyl alcohol is reportable under Section 313. (Contains n-butyl alcohol at 10%.) Phosphoric acid is reportable under Section 313. (Contains phosphoric acid at 2.1%)

### SARA, Title III, Section 302:

EHS  
TPQ

None  
10,000 lbs

### RCRA Waste Code:

Not listed

### CA Proposition 65:

Not listed

## 16. OTHER INFORMATION

### SDS STATUS:

Updated

### REASON FOR CHANGE:

Updated Technical Information

### PREPARED BY:

Tandy O. Dunn, Director of Health, Safety & Environmental Affairs

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.

