

Safety Data Sheet

Co-Mix

SDS Number: 10460
SDS Prepared: 02/15/1986
SDS Version: 3.5
Version Date: 07/15/2025

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)



GHS05



GHS07

SIGNAL WORD (GHS-US)

WARNING

HAZARD STATEMENTS (GHS-US)

H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H303 - May be harmful if swallowed.
H335 - May cause respiratory irritation.
H336 - May cause drowsiness or dizziness.
H227 - Combustible liquid.
H290 - May be corrosive to metals.

PRECAUTIONARY STATEMENTS (GHS-US)

P102 - Keep out of reach of children.
P203 - Obtain, read, and follow all safety instructions before use.
P210 - Keep away from heat, hot surfaces, 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 [or 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 reuse.
 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	NOL/NOL
n-butyl Alcohol	10.0%	00071-36-3	NOL/NOL

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.

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): >140°F (65.5°C)

FLAMMABLE LIMITS
(LFL & UFL): LEL: 1.4% (n-butyl alcohol)
 UEL: 11.2 % (n-butyl alcohol)

EXTINGUISHING MEDIA: Foam, dry chemical, CO₂, 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 the fire area of unprotected personnel. Cool fire-exposed containers with water. Attack from upwind.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers exposed to intense heat from fire should be cooled with water to prevent vapor pressure buildup, which could cause container rupture. Build-up of vapor could present an explosion hazard. See flammable limits above.

6. ACCIDENTAL RELEASE MEASURES

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 that 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

PERMISSIBLE EXPOSURE LIMIT: No data available.
SIGNS AND SYMPTOMS OF EXPOSURE: Irritation of the skin, eyes, or nasal passages. Contact with eyes is painful and irritating. 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. May cause severe eye injury.

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: Use adequate exhaust ventilation to prevent inhalation of product vapors. If vapors are present, use NIOSH or MSHA-approved respirator for acidic vapors, air-line respirator, or a self-contained breathing apparatus.

RESPIRATORY PROTECTION: Avoid contact with eyes. Wear full-face shield or chemical safety goggles when handling.

EYE PROTECTION: Avoid contact with skin. Use impervious gloves and clothing to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND PHYSICAL STATE: Clear to hazy, colorless, slightly viscous liquid

ODOR: Mild alcohol-like.

SPECIFIC GRAVITY (Water=1): 1.17

VAPOR PRESSURE: 4.3 mm Hg @ 20°C (n-butyl alcohol)

VAPOR DENSITY (Air = 1): >1

% VOLATILITY (V/V): 5.0%

BOILING POINT: 212°F (100°C)

MELTING POINT: Not Determined

SOLUBILITY: Miscible

pH: ≈3

VISCOSITY @ 68°F (20°C): 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

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: 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.

INCOMPATIBILITY: Strong oxidizing agents; Strong alkali or caustic.
REACTIVITY: Prolonged contact with mild steel will react to form highly explosive hydrogen gas.
HAZARDOUS DECOMPOSITION PRODUCTS: Phosphorus oxides, oxides of carbon, and unidentified organic compounds may be formed during combustion.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD₅₀: May be harmful if swallowed.
ACUTE DERMAL LD₅₀: No data available.
ACUTE INHALATION LC₅₀: No data available.
EYE IRRITATION: Causes serious eye irritation.
CARCINOGENIC POTENTIAL: This product is not carcinogenic, teratogenic, or mutagenic as determined by OSHA, NTP, or IARC. Danger of methemoglobin formation.
SKIN IRRITATION/SENSITIZATION: Causes skin irritation.
SPECIFIC TARGET ORGAN TOXICITY, SINGLE EXPOSURE: 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 of in a permitted landfill in accordance with state, federal, and local regulations. Empty container may retain vapor or product residue. Observe all labeled safeguards until the 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 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:

<u>NFPA</u>		<u>HMIS</u>	
2 Health	0 Reactivity	2 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: **Product:** 11,265 gal. (N-butyl alcohol); 26,821 gal. (Phosphoric acid)
SARA, Title III, Section 313: **Ingredient:** 5000 lbs. (N-butyl alcohol); 5000 lbs. (Phosphoric acid)
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: None
TPQ: 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: Emma Simpson, Product Development Specialist - Chemist

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The logo for CO-MIX is displayed in a large, bold, blue, sans-serif font. The letters are slightly shadowed, giving it a three-dimensional appearance. The hyphen between 'CO' and 'MIX' is also in the same blue color and font style.