

Safety Data Sheet

Co-Mix

SDS Number: 10460
 SDS Prepared: 02/15/1986
 SDS Version: 3.0
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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
 Chemtec (24 hours)
 1800-424-9300
 Coastal AgroBusiness, Inc. (Weekdays – Eastern Standard Time)
 1-800-635-1388

2. HAZARDS IDENTIFICATION SUMMARY

WARNING Liquid contact with eyes or skin can cause irritation. Vapors can cause irritation of the eyes and skin. 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.

This product is a clear to hazy, colorless, slightly viscous liquid with a mild alcohol-like odor. Primary routes of exposure 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>
Alkylaryl Polyoxyethylene glycol phosphate ester	70%	Mixture	NOL/NOL
Phosphoric Acid	2.1%	07664-38-2	1 mg/m ³
1-Butanol *8 hr TWA	5.0%	00071-36-3	*100ppm/*50ppm

Note: This product may contain trace 1,4-Dioxane as a by-product which can be absorbed by inhalation and through skin. Please be advised that 1,4-Dioxane is a cancer-suspect agent and can cause liver and kidney injury with excessive overexposure.

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 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:	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. 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

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. 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.
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:	Use adequate exhaust ventilation to prevent inhalation of product vapors.
RESPIRATORY PROTECTION:	If vapors are present, use NIOSH or MSHA approved respirator for acidic 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 gloves and clothing to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND COLOR:	Clear to hazy, colorless, slightly viscous liquid with a mild alcohol-like odor.
SPECIFIC GRAVITY: (Water=1)	1.173
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 (1% aqueous solution)
VISCOSITY @ 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:	790 mg/kg (n-butyl alcohol)
EYE IRRITATION:	Moderate
INHALATION LC₅₀:	8000 ppm/4 hr (n-butyl alcohol)
CARCINOGENETIC POTENTIAL:	This product is not carcinogenic teratogenic or mutagenic as determined by OSHA, NTP, or IARC. Danger of methemoglobin formation.
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 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

Fire: N

Delayed: 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)
n-butyl alcohol is reportable under Section 313. (Contains n-butyl alcohol at 5%.) Phosphoric acid is reportable under Section 313. (Contains phosphoric acid at 2.1%)

SARA, Title III, Section 313:

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:

To meet new regulatory requirements

PREPARED BY:

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