

SAFETY DATA SHEET

SDS DATE: 1/12/2016

COBLEND ES

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: COBLEND ES

DISTRIBUTOR: Triangle Chemical Company
ADDRESS: 206 Lower Elm Street
Macon, Georgia 31208
Phone: 478-743-1548

Cardinal Chemical Company.
1583 Highway 258 South
Kinston, NC 28504

EMERGENCY CHEMTREC PHONE: US: 1-800-424-9300 International: 1-202-483-7616

CHEMICAL NAME: Proprietary mixture
CHEMICAL FAMILY: Emulsifier mixture
CHEMICAL FORMULA: Mixture

PRODUCT USE: Compatibility agent

SECTION 1 NOTES: None

SECTION 2: HAZARD IDENTIFICATION

GHS Ratings:

Toxicity Categories

Acute toxicity (Oral)	Category 4
Skin corrosion/ irritation	Category 1
Eye damage/ irritation	Category 1
Flammable liquids	Category 4
Corrosive to metal	Category 1



GHS HAZARDS

H227 Combustible Liquid.
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burn and eye damage.
H318 Causes serious eye damage.

Signal Word: DANGER

GHS PRECAUTIONS

P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat, sparks, open flames and hot surfaces. No Smoking.
P233 Keep container tightly closed.
P234 Keep only in original container.
P260 Do not breathe dust, fume, gas, mist, vapors or spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves, protective clothing, eye protection and face protection.
P301+310 IF SWALLOWED: Immediately call a POISON CENTER, doctor or physician.
P330 Rinse mouth.
P331 Do not induce vomiting.
P303+361+353 IF ON SKIN (hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing cautiously.
P363 Wash contaminated clothing before reuse.
P362 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use foam, dry chemical, CO2 or water.
P390 Absorb spillage to prevent material damage.
P403+235 Store in a well-ventilated place. Keep Cool.
P405 Store locked up.
P406 Store in corrosive resistant HDP, stainless steel or polypropylene container with a resistant inner liner.
P501 Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations.

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SECTION 3: INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT</u>
Phosphoric acid	7664-38-2	1 – 5%
2- Propanol	67-63-0	1 – 5%
Proprietary	Proprietary	1 – 5%

NOTE: Product does NOT contain any pesticides or pest control agents.

SECTION 3 NOTES: These specific chemical identities and or exact percentage (concentration) of composition have been withheld as a trade secret.

CARCINOGENICITY

OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

SECTION 4: FIRST AID MEASURES

Call a poison control center or doctor immediately for treatment advice. Have the product container with you when calling a poison control center or doctor, or going for treatment.

IF IN EYES: Immediately call a POISON CENTER, doctor or physician. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing for several minutes.

IF ON SKIN OR CLOTHING: Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water for several minutes. If skin irritation occurs: Get medical advice or attention.

IF SWALLOWED: Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person.

IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: None

SECTION 5: FIRE FIGHTING MEASURES

NFPA HAZARD CLASSIFICATION

HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 0 OTHER: -

IN CASE OF FIRE: Foam, Dry Chemical, CO2 or Water.

SPECIAL FIRE FIGHTING PROCEDURES: Use alcohol-type or universal-type foams on larger fires. Smaller fires should be extinguished with carbon dioxide or dry chemical. Do not use water or foam directly on the fire. Use self-contained breathing apparatus with fighting any fire in an enclosed area.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Phosphorus compounds. The groups of substances mentioned can be released in case of fire.

HAZARDOUS DECOMPOSITION PRODUCTS: Phosphorus compounds, oxides of carbon during fire conditions.

SECTION 5 NOTES: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Surround and absorb all spills. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.

SECTION 6 NOTES: None

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SECTION 7: HANDLING AND STORAGE

HANDLING Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Wear protective gloves, protective clothing, eye protection and face protection.

STORAGE: Store in a well-ventilated place. Keep Cool. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F.

SECTION 7 NOTES: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

	OSHA		ACGIH		NIOSH	
	PEL	STEL	PEL	STEL	PEL	STEL
Phosphoric acid 7664-38-2	1 mg/m ³ TWA		1 mg/m ³ TWA; 3 mg/m ³ STEL		1 mg/m ³ TWA 3 mg/m ³ STEL	
2-Propanol 67-63-0	400 ppm TWA; 980 mg/m ³ TWA		200 ppm TWA; 400 ppm STEL		400 ppm TWA; 980 mg/m ³ TWA 500 ppm STEL; 1225 mg/m ³ STEL	
Proprietary	100 ppm TWA; 600 mg/m ³ TWA		100 ppm TWA; 150 ppm STEL		100 ppm TWA; 600 mg/m ³ TWA 150 ppm STEL; 900 mg/m ³ STEL	

VENTILATION: Normal room ventilation (mechanical) or outdoor use should be satisfactory.

RESPIRATORY PROTECTION: Not necessary unless ventilation is inadequate. Then use OSHA or NIOSH approved respirator, as appropriate.

EYE PROTECTION: Chemical goggles and face shield.

SKIN PROTECTION: Chemical gloves, long-sleeved shirts and pants.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash and safety shower should be easily accessible.

WORK HYGIENIC PRACTICES: Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.

EXPOSURE GUIDELINES: If exposed, see section 4 for acute exposure first aid.

SECTION 8 NOTES: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Amber to gold	METHOD USED:	PMCC
ODOR:	Mild alcohol	FLAMMABILITY (solid, gas):	Can burn
ORDER THRESHOLD:	Not known	FLAMMABLE LIMITS IN AIR, UPPER:	Unknown
PHYSICAL STATE:	Liquid	(% BY VOLUME) LOWER:	Unknown
pH AS SUPPLIED:	Not applicable	VAPOR PRESSURE (mmHg):	@
pH (Other):			F: Unknown C: Unknown
INITIAL BOILING POINT:	F: Unknown C: Unknown	VAPOR DENSITY (AIR = 1):	@
BOILING POINT RANGE:	F: Unknown C: Unknown		F: Unknown C: Unknown
MELTING POINT:	F: Unknown C: Unknown	RELATIVE DENSITY:	1.115 to 1.149
FREEZING POINT:	F: Unknown C: Unknown	EVAPORATION RATE:	Unknown
FLASH POINT:	F: >149 C: >65	BASIS (butyl acetate=1):	
		SOLUBILITY IN WATER:	Soluble
		PARTITION COEFFICIENT: (n-octanol/water):	Unknown

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AUTO-IGNITION TEMPERATURE: Unknown

VISCOSITY:

@ Not determined

F: Unknown

C: Unknown

DECOMPOSITION TEMPERATURE: Unknown

SECTION 9 NOTES: Values are not product specifications.

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.

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable Unstable

CONDITIONS TO AVOID (STABILITY): Excessive heat and open flame.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers, strong alkali.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under fire conditions, carbon and phosphorous oxides.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None known

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

MIXTURE TOXICITY LD50 Acute oral toxicity 1931.00mg/kg (Rat)
LD50 Acute dermal toxicity 3469.00mg/kg (Rabbit)

COMPONENT TOXICITY Not available

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

ECOTOXICITY: Not available

BIOACCUMULATIVE POTENTIAL: Not available

MOBILITY IN SOIL: Not available

OTHER ADVERSE EFFECTS: Not available

SECTION 12 NOTES: None

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations.

CONTAINER DISPOSAL: Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

RCRA HAZARD CLASS: None

SECTION 13 NOTES: None

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SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

DOT Shipping Description: U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains PHOSPHORIC ACID)

HAZARD CLASS: 8

ID NUMBER: UN 3264

PACKING GROUP: III

Note: Exempt from labeling requirements per 49 CFR 173.154 (b) (2) for any container size up to 5 liters



OTHER AGENCIES:

Sea transport

IMDG

Hazard class: 8

Packing group: III

ID number: UN 3264

Hazard label: 8

Marine pollutant: NO

Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains PHOSPHORIC ACID)

Air transport

IATA/ICAO

Hazard class: 8

Packing group: III

ID number: UN 3264

Hazard label: 8

Proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains PHOSPHORIC ACID)

Note: Exempt from labeling requirements for passenger aircraft for container size up to 5 liters per 49 CFR 173.27 and cargo aircraft for containers up to 60 liters per 49 CFR 175.75

U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60) Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

OTHER AGENCIES: None

SECTION 14 NOTES: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Mixture not listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Regulated

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Regulated

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

INTERNATIONAL REGULATIONS: None

SECTION 15 NOTES: None

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SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

DISCLAIMER:

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.