

Emergency Number: (989)496-3780

Section 1

Product Name and Information

Product(Trade Name and Synonyms): Copeland 46 FBAPOE (E-00914)

Chemical Name: Ester

NFPA Code: Health: 1 Fire: 1

Reactivity: 0

Chemical Family: Polyol Ester

HMIS Code: Health: 1 Fire: 1

Reactivity: 0

Formula: Proprietary

CAS#: Proprietary

Section 2

Composition/Information on Ingredients

Hazardous Ingredients: - This material has no known hazards under applicable laws.

Section 3

Hazards Identification

Principal Hazards: - This material has no known hazards.

See Section 11 for complete health hazard information.

Section 4

First Aid Measures

ORAL: of	DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.
EYE: eye	Flush with water at least 15 minutes. Get medical attention if irritation develops or persists.
SKIN:	Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
INHALATION:	Remove exposed person to fresh air if adverse effects are observed.
ADDITIONAL:	Note to physician: Treat symptomatically.

Section 5

Fire Fighting Measures

FLASH POINT (minimum): 256 °F
UPPER FLAMMABLE LIMIT: Not determined
LOWER FLAMMABLE LIMIT: Not determined
EXTINGUISHING MEDIA: Dry chemical; CO₂, foam; water can be used to cool

and protect exposed material.

SPECIAL FIRE FIGHTING PROCEDURES: Recommend wearing self-contained breathing apparatus. Water may cause splattering. Material will float on water.

UNUSUAL FIRE & EXPLOSION HAZARDS: Toxic fumes, gases or vapors may evolve on burning.

AUTOIGNITION TEMPERATURE: 210°C, 410°F.

EXPLOSION DATA: Material does not have explosive properties.

Section 6

Accidental Release Measures

SPILL PROCEDURES: Personal protective equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under transportation and labeling (DOT/CERCLA) and other regulatory information section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

Section 7

Handling and Storage

HANDLING PROCEDURES: Wash thoroughly after handling. Empty container contain product residue which may exhibit hazards of product.

STORAGE PROCEDURES: Keep containers closed when not in use.

Section 8

Exposure Controls/Personal Protection

VENTILATION PROCEDURE: Use with adequate ventilation.

GLOVES PROTECTION: Use nitrile or neoprene gloves.

EYE PROTECTION: Safety glasses.

RESPIRATORY PROTECTION: Under normal use conditions, respirator is not

usually required.

CLOTHING RECOMMENDATIONS: Long sleeve shirt is recommended

Section 9

Physical and Chemical Properties

APPEARANCE:	Clear viscous liquid		
PH:	Not determined		
% VOLATILE:	Unknown		
VISCOSITY:	46 cSt @ 40°C 6.6 cSt @ 100°C		
ODOR THRESHOLD:	Unknown		
SPECIFIC GRAVITY:	0.965 @ 15.6°C	BOILING PT:	Not
determined			
WATER SOLUBILITY:	Insoluble	FREEZING PT:	Not
determined			
MOLECULAR WT:	Not determined	VAPOR DENSITY:	Not
determined			
VAPOR PRESSURE:	Not determined	ODOR:	Mild
EVAPORATION RATE:	Not determined		

Section 10

Stability and Reactivity

Stability:	Material is normally stable at moderately elevated temperatures and pressures.
Polymerization:	Will not occur
Incompatibility:	Strong oxidizers, caustic or acidic solutions
Thermal Decomposition:	Smoke, carbon monoxide, aldehydes and other products of incomplete combustion.
Conditions to Avoid:	Excessive heat.

Section 11

Toxicological Information

	-Acute Exposure-
ORAL TOXICITY:	The LD ₅₀ in rats is >5000 mg/Kg. Based on data from similar materials.
EYE IRRITATION:	Not expected to cause eye irritation. Based on data from similar materials.
SKIN IRRITATION:	Not expected to be a primary skin irritant. Based on data from similar materials.

DERMAL TOXICITY: The LD₅₀ in rabbits is >2000 mg/Kg. Based on data from

similar materials.

INHALATION TOXICITY: No data available to indicate product or components may be

a toxic inhalation hazard.

RESPIRATORY IRRITATION: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed of mineral oil. Based on data from similar materials. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem.

DERMAL SENSITIZATION: No data available to indicate product or components may be a skin sensitizer.

INHALATION SENSITIZATION: No data available to indicate product or components may be respiratory sensitizers.

Section 11

Toxicological Information - Continued

CHRONIC TOXICITY: No data available to indicate product or components present at greater than 1% are chronic health hazards.

CARCINOGENICITY: No data available to indicate product or components present at greater than 0.1% may present a carcinogenic hazard.

MUTAGENICITY : No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.

REPRODUCTIVE TOXICITY: No data available to indicate product or components present at greater than 0.1% that may cause reproductive toxicity.

TERATOGENICITY: No data available to indicate product or components present at greater than 0.1% may cause birth defects.

-Additional Information-

OTHER: No other health hazards are known.

EXPOSURE LIMITS: Contains synthetic base stock. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter for mineral oil mists.

Section 12

Ecological Information

FRESHWATER FISH TOXICITY: Not determined.

FRESHWATER INVERTEBRATES TOXICITY: Not determined.

ALGAE TOXICITY: Not determined.

SALTWATER FISH TOXICITY: Not determined.

SALTWATER INVERTEBRATES: Not determined.

BACTERIA TOXICITY: Not determined.
MISCELLANEOUS TOXICITY: Not determined.
ENVIRONMENTAL FATE: Not determined. **Bioconcentration:** Not determined.
Soil Mobility: Not determined.

Section 13

Disposal Considerations

WASTE DISPOSAL: Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. Waste management should be in compliance with federal, state, and local laws.

Section 14

Transportation Information

U.S. DOT BULK SHIPPING DESCRIPTION: Not applicable. Not
U.S. DOT NON-BULK SHIPPING DESCRIPTION: Not applicable. Not
IMDG SHIPPING DESCRIPTION: Not applicable.
ICAO SHIPPING DESCRIPTION: Not applicable.
ADR/RID HAZARD CLASS: Not applicable.

Section 15

Regulatory Information

U.S. TSCA INVENTORY: All components of this material are on the TSCA inventory.
OTHER TSCA REG.: None known.
SARA EXT. HAZ. SUBST.: This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substance list.
SARA SECTION 313: This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substance on the SARA Section 313.
CERCLA HAZ. SUBST.: None known.
CAL. PROP. 65: This product is not known to contain any chemicals

	known to the state of California to cause cancer or birth defects. However, we do not conduct routine analysis for all listed materials.
U.S. FUEL REGISTRATION:	Not applicable.
U.S. DEPT. OF AGRICULTURE:	This product has not been filed with the USDA to
	support H2 approvals.
FDA APPROVAL:	Not applicable.
EEC EINECS:	All components are in compliance with the EC
	Seventh Amendment Directive 92 /32/EEC.
JAPAN MITI:	All components are in compliance with the
Chemical	
	Substances Control Law of Japan.
AUSTRALIA:	This product requires notification before sale in
Australia.	
CANADA:	This material contains a chemical which must
be notified and	
	tracked by all Canadian Importers of Record as required by the Canadian Environmental Protection Agency. This material or products containing this material may be exported to Canada in limited quantities.
CANADIAN FUEL REGISTR.:	Not applicable.
SWITZERLAND:	All components are in compliance with the
Environmentally	
	Hazardous Substance Ordinance in
	Switzerland.
KOREA:	This product requires notification before sale
in Korea.	
KOREAN FUEL REGISTR.:	Not applicable.
PHILIPPINES:	May require notification before sale
under Philippines Republic	
	Act 6969.

Section 16

Other Information

Precautionary Labels: This product has no known hazards.

Preparation/Revision Date: 08/15/97

Transportation Emergency Phone Number: 1-800-424-9300