

KOP-COAT, INC
 PROTECTION PRODUCTS
 5137 SOUTHWEST AVENUE
 ST. LOUIS
 MO 63110

EMERGENCIES
 HEALTH/SPILLS.....: 800-548-0489
 CHEMTREC ASSISTANCE: 800-424-9300
 CHEMTREC OUTSIDE US: 703-527-3887
 CANUTEC.....: 613-996-6666

KOP-COAT, INC
 PRODUCT INFORMATION: 412-227-2700
 OUTSIDE USA.....: 412-227-2700

 1 PRODUCT IDENTIFICATION

PRODUCT NAME: Alpha-7
 PRODUCT USE.: Lumber brightener
 APPEARANCE..: Viscous liquid with mild odor
 CAS NUMBER..: Mixture
 SYNONYMS....: None

REVISION...: 4
 DATE.....: 1/25/00
 MSDS NUMBER: 11513

 2 HAZARDOUS INGREDIENTS

<u>HAZARDOUS COMPONENT</u>	<u>REG AGENCY</u>	<u>PPM</u>	<u>NOTES</u>	<u>MG/M3</u>	<u>NOTES</u>
Proprietary organo phosphonic acid CAS NUMBER:02* PERCENT BY WGT: 15 TO 20			(None established.)		
Glycols CAS NUMBER:03* PERCENT BY WGT: 15 TO 20	ACGIH CEIL OSHA CEIL	50 50		125 125	
Straight chain organic acid CAS NUMBER:08* PERCENT BY WGT: 15 TO 20			(None established.)		
Alkyl amine CAS NUMBER:09* PERCENT BY WGT: 35 TO 40			(None established.)		

 3 HAZARDS IDENTIFICATION

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EYE: Causes severe irritation, experienced as discomfort or pain, tearing, redness swelling.

SKIN: Repeated or prolonged contact with the skin may cause severe irritation with local redness. May be absorbed through the skin.

INHALATION: Avoid breathing vapors or mists. Harmful if inhaled. May cause irritation to nose, throat and respiratory tract. May affect the brain or nervous system causing dizziness, headache or nausea.

INGESTION: May cause vomiting, diarrhea and depressed respiration. Aspiration of material into the lungs due to vomiting can cause lung injury. Causes severe irritation or chemical burns to mouth, throat esophagus and stomach.

Individuals with pre-existing disease in or a history of ailments involving the skin, eye, respiratory tract, liver, kidney, central nervous system are at a greater than normal risk of developing adverse effects when exposed to this material.

4 FIRST AID MEASURES

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Get prompt medical attention.

SKIN CONTACT: Remove contaminated clothing. Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention. If contaminated clothing cannot be washed clean it should not be reused for any purpose.

INHALATION: Remove to fresh air. If breathing has stopped, have a trained person administer artificial respiration preferably mouth-to-mouth. If breathing is difficult, give oxygen.

INGESTION: If swallowed Do Not induce vomiting. Promptly drink large quantities of water. Contact a physician or poison control center immediately. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTE TO PHYSICIAN: There is no specific antidote for effects from overexposure to this material. Treatment should be directed at the control of symptoms and the clinical condition.

5 FIRE FIGHTING MEASURES

FLASH POINT: > 200 F
AUTOIGNITION TEMPERATURE: Not determined.
FLAMMABLE LIMITS (% by volume/air)
Lower Limit: Not determined.

5 FIRE FIGHTING MEASURES

Upper Limit: Not determined.

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, or foam.

FIRE FIGHTING PROCEDURES: As in any fire, wear complete fire service protective equipment, including full-face MSHA/NIOSH approved or equivalent self-contained breathing apparatus. Use water to cool fire-exposed container/structure/protect personnel. Do not put in contact with oxidizing or caustic materials.

FIRE AND EXPLOSION HAZARDS: None known.

6 SPILL AND LEAK PROCEDURES

SPILL: Dike and contain spilled liquid with sand or earth and transfer the liquid and solid separately to containers for recovery or disposal. Keep spills out of sewers and open bodies of water.

7 HANDLING AND STORAGE

HANDLING: Avoid prolonged or repeated breathing of vapors, mists or fumes. Avoid prolonged or repeated contact with skin or eyes. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.

STORAGE: Store in areas/buildings designed to comply with OSHA 29 CFR 1910.106. Keep in a closed, labeled container within a cool (well-shaded), dry, ventilated area. Protect from physical damage. Keep containers closed when not in use. Store away from caustics and oxidizers.

OTHER: Showering and clothing change recommended at the end of each shift. Keep containers from excessive heat and freezing. Do not store at temperatures above 120 F.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: In processes where TLV may be exceeded, or mists and/or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

RESPIRATORS: If ventilation does not maintain inhalation exposures below PEL(TLV), use MSHA/NIOSH approved, or equivalent, units as per current OSHA 29 CFR 1910.134/NIOSH 42 CFR 84. A respiratory protection program that meets OSHA 29 CFR 1910.134, ANSI Z88.2 and/or NIOSH 42 CFR 84 requirements must be followed whenever workplace conditions warrant a respirator's use. Organic vapor cartridges or canisters may be used.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT: Industrial safety glasses, at a minimum. Wear safety glasses with side shields (or goggles) and/or faceshield if splashing is possible. Skin protection, as required, chemical-resistant flexible-type gloves (heavy-duty neoprene or equal). Where contact is likely, wear resistant protective garments such as gloves, aprons, pants, coveralls, boots, etc.

9 PHYSICAL AND CHEMICAL PROPERTIES

Weight Per Gallon (lbs): 7.750 % VOL by Weight.: Not determined
Vapor Density.: (Air=1)>1 Boiling Point...: Not determined
Vapor Pressure: Similar to water Evaporation Rate: (Butyl Acet=1)<1
pH.....: Not determined Specific Gravity: < 1
Solubility In Water: Miscible Viscosity.....: Not determined
VOC Content.....: No Data

10 STABILITY AND REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: None
INCOMPATIBILITY: Avoid strong oxidizers and strong bases.
HAZARDOUS DECOMPOSITION PRODUCT(S): Carbon monoxide, carbon dioxide, hydrogen chloride and oxides of phosphorous and nitrogen.

11 TOXICOLOGICAL INFORMATION

Contact Kop-Coat for information.

12 ECOLOGICAL INFORMATION

Product has not been tested for ecotoxicity.

13 DISPOSAL CONSIDERATIONS

Dispose of according to federal, state and local regulations. Discarded material should be incinerated at a permitted facility. Do not reuse empty container. Liquids cannot be discarded in a landfill.

14 TRANSPORTATION INFORMATION

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DOT PROPER SHIPPING NAME: Corrosive liquids, n.o.s.(Organic Carboxylic Acid)
DOT HAZARD CLASS: 8, PG III
LABEL: Corrosive liquid
DOT IDENTIFICATION NUMBER: UN1760

15 REGULATORY INFORMATION

WHMIS Classification: Class E Corrosive

16 OTHER INFORMATION

NOTICE: While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Kop-Coat, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon.

PREPARED BY: L. Briggs Manager Environmental and Regulatory Affairs