

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: Waterbased Woodlife (R) 4:1 Concentrate
 PRODUCT USE.: Water repelent wood preservative
 APPEARANCE..: Off white liquid, milk consistency, slight odor
 CAS NUMBER..: Mixture
 SYNONYMS....: None

REVISION...: 8
 DATE.....: 12/31/03
 MSDS NUMBER: 13180

 2 HAZARDOUS INGREDIENTS

<u>HAZARDOUS COMPONENT</u>	<u>REG AGENCY</u>	<u>PPM</u>	<u>NOTES</u>	<u>MG/M3</u>	<u>NOTES</u>
Ethylene glycol (vapor and mist) CAS NUMBER:107-21-1 PERCENT BY WGT: 5 TO 10	ACGIH CEIL OSHA CEIL	50 50		125 125	
1-Propoxy-2-Propanol CAS NUMBER:1569-01-3 PERCENT BY WGT: 1 TO 5			(None established.)		
Acrylic polymer CAS NUMBER:26604-01-3 PERCENT BY WGT: 15 TO 20			(None established.)		
3-iodo-2-propynyl butyl carbamate CAS NUMBER:55406-53-6 PERCENT BY WGT: 1 TO 5			(None established.)		
Paraffin wax (fume) CAS NUMBER:6474-43-4 PERCENT BY WGT: 5 TO 10	ACGIH TWA OSHA TWA	- -		2 2	18 18

NOTES:

2 HAZARDOUS INGREDIENTS

NOTES:

18) Exposure limits are for paraffin wax

3 HAZARDS IDENTIFICATION

EYE: Contact with liquid may cause eye irritation.

SKIN: Repeated or prolonged contact with the skin may result in skin irritation and dermatitis.

INHALATION: Avoid breathing vapors or mists. May cause irritation to nose, throat and respiratory tract.

INGESTION: Ingestion of ethylene glycol can cause gastrointestinal irritation, nausea, vomiting, diarrhea and if consumed in sufficient quantities, death. Ingestion of ethylene glycol in excess may lead to respiratory and/or cardiac failure and kidney and liver damage.

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. Wash affected areas immediately with soap and water. If irritation persists, get medical attention.

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 a large quantity of milk, egg whites or gelatin solution; if these are not available, 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: Mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be required. Although carbamates are known to cause cholinesterase inhibition, 3-iodo-2-propynyl butyl carbamate did not inhibit cholinesterase in animal tests.

5 FIRE FIGHTING MEASURES

FLASH POINT: > 180 F
AUTOIGNITION TEMPERATURE: Not determined.
FLAMMABLE LIMITS (% by volume/air)
Lower Limit: Not determined.
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

SMALL SPILL: Absorb spill with an inert material (e.g., sand or earth), then place in a chemical waste container for proper disposal.

LARGE SPILL: Dike and contain spilled liquid with sand or earth. Do not use combustible products such as sawdust. Pump to storage or salvage vessel. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities that a spill has occurred.

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. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide sufficient mechanical ventilation (local or

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

general exhaust) to maintain exposures below current exposure limits. Vapors are heavier than air and will collect in low areas. Check all low areas for vapors before entering.

RESPIRATORS: Use an approved NIOSH/MSHA respirator if area is not well-ventilated. Consult your safety equipment supplier and NIOSH regulation 42 CFR 84 for respirator requirements.

PERSONAL PROTECTIVE EQUIPMENT: Industrial safety glasses, minimum. As necessary for work area conditions: use side shields, goggles or faceshield. As required, chemical resistant, flexible type gloves (nitrile, neoprene, or equal). Wear industrial-type work clothing and safety footwear. Depending on working conditions, i.e., contact potential, wear impervious protective garments such as head/neck cover, gloves, aprons, jackets, pants, coveralls, boots, etc. Wash contaminated clothing before reuse.

9 PHYSICAL AND CHEMICAL PROPERTIES

Weight Per Gallon (lbs): 8.530 % VOL by Weight.: Not determined
Vapor Density.: (Air=1)>1.0 Boiling Point...: 212 F
Vapor Pressure: 17 mmHg @ 68F Evaporation Rate: (Butyl Acet=1)<1
pH.....: Not applicable Specific Gravity: > 1
Solubility In Water: Negligible Viscosity.....: Not determined
VOC Content.....: Refer to Product Data Sheet

10 STABILITY AND REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITY: Strong oxidizers and caustics.
HAZARDOUS DECOMPOSITION PRODUCT(S): Carbon dioxide, carbon monoxide, and oxides of nitrogen.

11 TOXICOLOGICAL INFORMATION

Contact Kop-Coat for information.

12 ECOLOGICAL INFORMATION

Product has not been tested for ecotoxicity.

13 DISPOSAL CONSIDERATIONS

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

Non-hazardous under DOT regulations.
National Motor Freight Classification (NMFC): Wood Preservatives, n.o.i., liquid
DOT HAZARD CLASS: None
LABEL: None
DOT IDENTIFICATION NUMBER: None

DOT information for domestic ground transportation.

15 REGULATORY INFORMATION

SARA TITLE III SECTION 313 CHEMICALS

Ethylene glycol (vapor and mist)
3-iodo-2-propynyl butyl carbamate

EPA REGISTRATION NUMBER: 60061-96

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: Manager Of Health Safety and Environmental Affairs