KOP-COAT, INC
MARINE GROUP EAST
36 PINE STREET
ROCKAWAY
NJ 07866

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: 800-221-4466
OUTSIDE USA.....: 973-625-3100

1 PRODUCT IDENTIFICATION

PRODUCT NAME: Alumacoat SR Red 1660
PRODUCT USE.: Antifouling paint for aluminum vessels
APPEARANCE..: Red liquid with typical hydrocarbon odor
CAS NUMBER..: Mixture
SYNONYMS....: None

REVISION...: 1
DATE.....: 4/27/06
MSDS NUMBER: 1166000

2 HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	REG AGENCY	PPM	NOTES	MG/M3	NOTES
Ethyl Benzene	ACGIH STEL	125		543	
CAS NUMBER:100-41-4	ACGIH-TWA	100		434	
PERCENT BY WGT: < 1	NIOSH	100		435	
	NIOSH STEL	125		545	
	OSHA STEL	125		545	
	OSHA TWA	100		435	
N-ethyl-2-methylbenzene-sulfonamide		(None established.)			
CAS NUMBER:1077-56-1					
PERCENT BY WGT: 1 TO 5					
PM Acetate		(None established.)			
CAS NUMBER:108-65-6					
PERCENT BY WGT: 1 TO 5					
Zinc oxide (as dust)	ACGIH-TWA	-		2.0	
CAS NUMBER:1314-13-2	OSHA TWA	-		15	1
PERCENT BY WGT: 45 TO 50	OSHA-TWA	-		5	2
Xylene	ACGIH STEL	150		651	
CAS NUMBER:1330-20-7	ACGIH-TWA	100			

2 HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	REG AGENCY	PPM	NOTES	MG/M3	NOTES
PERCENT BY WGT: 1 TO 5	NIOSH	100		435	
	NIOSH STEL	150		655	
	OSHA STEL	150		655	
	OSHA TWA	100		435	
Zinc pyrithione	MANF REC			0.35	22
CAS NUMBER:13463-41-7					
PERCENT BY WGT: 5 TO 10					
Tremolite(nonasbestiform)	(None established.)				
CAS NUMBER:14567-73-8					
PERCENT BY WGT: 5 TO 10					
Talc (containing no	ACGIH TWA	-		2	2
asbestos)	NIOSH	-		2	
CAS NUMBER:14807-96-6	OSHA TWA	-		2	3
PERCENT BY WGT: 1 TO 5					
Petroleum distillates	ACGIH TLV	100	STS		
CAS NUMBER:64742-94-5	OSHA PEL	500	STS		
PERCENT BY WGT: 5 TO 10					
Polyamide Resin	(None established.)				
CAS NUMBER:68911-38-6					
PERCENT BY WGT: 1 TO 5					
n-Propyl alcohol (skin)	ACGIH STEL	250			
CAS NUMBER:71-23-8	ACGIH TWA	200			
PERCENT BY WGT: 1 TO 5	NIOSH	200		500	
	NIOSH STEL	250		625	
	OSHA STEL	250		625	
	OSHA TWA	200		500	
Naphthalene	ACGIH STEL	15		79	
CAS NUMBER:91-20-3	ACGIH TWA	10		52	
PERCENT BY WGT: < 1	OSHA STEL	15		75	
	OSHA TWA	10		50	

NOTES:
1) Total dust
2) Respirable fraction
3) Respirable dust
22) Manufacturer's recommended exposure limits
STS) Recommend that exposure limits for stoddard solvent be used as a guideline.

3 HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW: DANGER! FLammable liquid/vapor. Harmful if inhaled or swallowed. May cause skin burns and eye and respiratory tract irritation.

EYES: May cause moderate eye irritation. Not expected to cause permanent damage if promptly rinsed from eyes.

SKIN: CORROSIVE! May cause skin burns if not promptly rinsed from the skin. May be absorbed in toxic amounts through the skin and cause systemic effects.

INHALATION: May cause respiratory tract irritation. Exposure to high concentrations may cause central nervous system effects, including headache, drowsiness, nausea, and dizziness. Continued inhlation may result in unconsciousness or death.

INGESTION: May cause gastrointestinal disturbances such as nausea, vomiting, diarrhea, and effects similar to those described in INHALATION. Aspiration of this product into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

CHRONIC: Reports have associated repeated or prolonged occupational exposure to solvents with permanent brain or nervous system damage, liver and kidney damage or may cause cardiac arrhythmia. Carbon black and naphthalene are classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence of carcinogenicity in laboratory animals. Overexposure to zinc pyrithione in laboratory animals has been associated with adverse health effects. See Section 11 for additional information.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing disease in or a history of ailments involving the nervous system, liver, kidney, respiratory system or eyes are at a greater risk of developing adverse effects when exposed to this material.

4 FIRST AID MEASURES

EYE CONTACT: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing the eye. Contact a poison control center for treatment advice.

SKIN CONTACT: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Wash contaminated clothing before reuse.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artifical respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

INGESTION: Immediately call a poison control center or doctor. Do not induce

4 FIRST AID MEASURES

vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not 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: 84 F/29C

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, water spray 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.

FIRE AND EXPLOSION HAZARDS: Can release vapors that form explosive mixtures. Vapors can travel to a source of ignition and flash back. Closed containers may explode when exposed to extreme heat (fire). Toxic vapors may be given off in a fire.

6 SPILL AND LEAK PROCEDURES

Stop spill/leak if no risk involved. Avoid breathing vapors. Eliminate ALL sources of ignition such as flares, flames (including pilot lights), and elctrical sparks. Ventilate area. Take up carefully to avoid heat and sparks. Use an inert absorbent to complete a clean-up. This material reacts with oxidizing materials. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

7 HANDLING AND STORAGE

HANDLING: Avoid prolonged or repeated breathing of vapors, mists or fumes. Do not get on skin, in eyes or on clothing. Spray paint in accordance with OSHA 29 CFR 1910.107. Use with adequate ventilation. Wash thoroughly after handling

STORAGE: Store in areas/buildings designed to comply with OSHA 1910.106. Keep in a closed, labeled container within a cool (well-shaded), dry, ventilated area. Protect from physical damage. Keep containers closed when material is not in use. Maintain good housekeeping.

7 HANDLING AND STORAGE

OTHER: Keep away from heat and open flame. If post application/use processing of this product generates dust or if spray application is made, " Exposure Limits " in Section 2 apply. Do not use until manufacturer's precautions have been read/understood. Containers of this material may be hazardous when empty. Since emptied containers retain product residues (vapor, liquid), all hazard precautions given in the data sheet must be observed. All five gallon pails and larger containers, should be grounded and/or bonded when material is transferred.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Facilities storing or utilizing this product should be equipped with an eyewash station and shower.

RESPIRATORS: Ensure fresh air entry during application and drying. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, or if air monitoring demonstrates vapor level is above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved or equivalent) during and after application. Respirator selection, use and maintenance should be in accordance with the requirements in 29 CFR 1910.134 and NIOSH 42 CFR 84,whenever workplace conditions warrant a respirator's use.

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

9 PHYSICAL AND CHEMICAL PROPERTIES

Weight Per Gallon (lbs): 15.200	% VOL by Weight.: 18%
Vapor Density.: (air=1)<1	Boiling Point...: Not determined
Vapor Pressure: Not determined	Evaporation Rate: (ether=1)>1
pH.....: Not determined	Specific Gravity: 1.825
Solubility In Water: Negligible	Viscosity.....: Not determined
VOC Content.....: 330 g/L	

10 STABILITY AND REACTIVITY DATA

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STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITY: Avoid oxidizing agents, heat, sparks and open flames.
HAZARDOUS DECOMPOSITION PRODUCT(S): Carbon monoxide, carbon dioxide, oxides of nitrogen and other toxic organic compounds.

11 TOXICOLOGICAL INFORMATION

Certain components of this product have been shown to cause fetotoixc effects in laboratory animal studies. Relevance to humans is uncertain.

Zinc Pyrithione: Animal studies have found skeletal muscle atrophy and peripheral nerve damage characterized by general muscle weakness. These effects have not been observed in primates, which suggests the effects would not occur in humans.

Xylene: Laboratory animals exposed to high levels of xylene showed evidence of effects on the liver, kidneys, spleen and auditory system. Rats exposed during pregnancy to xylene showed fetotoxic effects.

12 ECOLOGICAL INFORMATION

Contact Kop-Coat for data.

13 DISPOSAL CONSIDERATIONS

This product as supplied is a USEPA defined ignitable hazardous waste. Dispose of unusable product as a hazardous waste (D001) in accordance with local, state and federal regulations.

14 TRANSPORTATION INFORMATION

DEPARTMENT OF TRANSPORTATION REPORTABLE QUANTITIES

REPORTABLE QTY (LBS)	HAZARDOUS SUBSTANCE
100	Xylene
10	Lead
100	Naphthalene

DOT PROPER SHIPPING NAME: Consumer commodity
DOT HAZARD CLASS: ORM-D
LABEL: None
DOT IDENTIFICATION NUMBER: None

14 TRANSPORTATION INFORMATION

DOT information for domestic ground transportation.

15 REGULATORY INFORMATION

SARA TITLE III SECTION 313 CHEMICALS
Ethyl Benzene
Zinc oxide (as dust)
Xylene
Naphthalene

WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

EPA Registration Number:
Pettit Marine Paint ALUMACOAT SR Antifouling Paint: 60061-118

16 OTHER INFORMATION

Ethylbenzene is considered a Group 2B carcinogen (possibly carcinogenic to humans). This category generally includes agents for which there is limited evidence in humans in the absence of sufficient evidence in experimental animals.

NOTICE: This document is generated for the purpose of distributing health, safety and environmental data. The information on this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. Kop-Coat makes no warranty with respect thereto and disclaims all liability from reliance thereon.

PREPARED BY: Manager of Health, Safety and Environmental Affairs

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