

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: 1681 Ultima SSA Antifouling Paint Red
 PRODUCT USE.: Antifouling bottom paint
 APPEARANCE..: Red liquid with hydrocarbon odor
 CAS NUMBER..: Mixture
 SYNONYMS....: None

REVISION...: 2
 DATE.....: 10/30/08
 MSDS NUMBER: 1168106

 2 HAZARDOUS INGREDIENTS

<u>HAZARDOUS COMPONENT</u>	<u>REG AGENCY</u>	<u>PPM</u>	<u>NOTES</u>	<u>MG/M3</u>	<u>NOTES</u>
Ethylbenzene	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	
Iron oxide (dust & fume)	ACGIH-TWA	-		5	
CAS NUMBER:1309-37-1	NIOSH	-		5	
PERCENT BY WGT: 5 TO 10	OSHA TWA	-		10	5
Zinc oxide (as dust)	ACGIH-TWA	-		2.0	
CAS NUMBER:1314-13-2	OSHA TWA	-		15	1
PERCENT BY WGT: 1 TO 5	OSHA-TWA	-		5	2
Cuprous oxide (as Cu dust and mists)	ACGIH-TLV			1.0	
	OSHA-TWA			1.0	
CAS NUMBER:1317-39-1					
PERCENT BY WGT: 35 TO 40					
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	
Copper Naphthenate (as Cu mists)	ACGIH TLV	-		1	
CAS NUMBER:1338-02-9	NIOSH	-		1	
PERCENT BY WGT: < 1	OSHA TWA	-		1	
Tremolite(nonasbestiform)			(None established.)		
CAS NUMBER:14567-73-8					
PERCENT BY WGT: 1 TO 5					
Talc (containing no asbestos)	ACGIH TWA	-		2	2
CAS NUMBER:14807-96-6	NIOSH	-		2	
PERCENT BY WGT: 5 TO 10	OSHA TWA	-		2	3
Petroleum naphtha	ACGIH TLV	100	STS		
CAS NUMBER:64742-88-7	OSHA TWA	500	STS		
PERCENT BY WGT: 1 TO 5					
Petroleum distillates	ACGIH TLV	100	STS		
CAS NUMBER:64742-95-6	OSHA-PEL	500	STS		
PERCENT BY WGT: 1 TO 5					
Copper (as Cu dusts & mists)	ACGIH TWA	-		1	
CAS NUMBER:7440-50-8	NIOSH	-		1	
PERCENT BY WGT: 1 TO 5	OSHA TWA	-		1	
Mineral spirits	ACGIH TWA	100		-	
CAS NUMBER:8052-41-3	NIOSH	-		350	
PERCENT BY WGT: 5 TO 10	OSHA TWA	100		-	

NOTES:

- 1) Total dust
 - 2) Respirable fraction
 - 3) Respirable dust
 - 5) Total particulate
- STS) Recommend that exposure limits for stoddard solvent be used as a guideline.

 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: WARNING! Combustible liquid and vapor. Harmful or fatal if

3 HAZARDS IDENTIFICATION

swallowed or inhaled. May cause eye, skin and respiratory tract irritation.

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

SKIN: May cause skin irritation. Prolonged and/or repeated skin contact may cause irritation characterized by redness, cracking and blistering. 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 inhalation 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.

CARCINOGENS: Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence of carcinogenicity in laboratory animals.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin, eyes, respiratory tract, liver, kidneys.

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 artificial 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 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.

4 FIRST AID MEASURES

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: 105 F/41C

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 electrical 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 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.

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

7 HANDLING AND STORAGE

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. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY CAN EXPLODE AND CAUSE INJURY OR DEATH. 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):	14.980	% 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: 1.803
Solubility In Water: Negligible		Viscosity.....: Not determined
VOC Content.....: 330 g/L		

10 STABILITY AND REACTIVITY DATA

STABILITY: This material is stable.

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HAZARDOUS POLYMERIZATION: None
INCOMPATIBILITY: Avoid acids, reducing agents, oxidizing agents, chlorates, bromates, potassium nitrate, hydrogen peroxide, heat, sparks and open flame.
HAZARDOUS DECOMPOSITION PRODUCT(S): Carbon monoxide, carbon dioxide, noxious copper compounds, and irritating vapors of acetic acid and other toxic organic compounds during fires.

11 TOXICOLOGICAL INFORMATION

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

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

12 ECOLOGICAL INFORMATION

Product has not been tested for ecotoxicity.

13 DISPOSAL CONSIDERATIONS

Dispose of unusable product in accordance with local, state and federal regulations.

14 TRANSPORTATION INFORMATION

DEPARTMENT OF TRANSPORTATION REPORTABLE QUANTITIES

<u>REPORTABLE QTY (LBS)</u>	<u>HAZARDOUS SUBSTANCE</u>
100	Xylene

Shipment by Ground-Domestic:
Combustible liquid - Exempt from DOT Regulations in non-bulk (< 119 gallons) containers.

Shipment by Air:
DOT PROPER SHIPPING NAME: Paint
DOT HAZARD CLASS: 3 Packing Group III
LABEL: Flammable liquid
DOT IDENTIFICATION NUMBER: UN 1263

15 REGULATORY INFORMATION

15 REGULATORY INFORMATION

SARA TITLE III SECTION 313 CHEMICALS

Ethylbenzene
Zinc oxide (as dust)
Cuprous oxide (as Cu dust and mists)
Xylene
Copper (as Cu dusts & mists)

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 60061-71.

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.

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PREPARED BY: Manager of Health, Safety and Environmental Affairs

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