

MATERIAL SAFETY DATA SHEET

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

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 1 PRODUCT IDENTIFICATION  
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PRODUCT NAME: 1282 ULTIMA SSA ANTIFOULING PAINT DARK BLUE  
 PRODUCT USE.: ANTIFOULING BOTTOM PAINT  
 APPEARANCE.: BLUE LIQUID  
 CAS NUMBER.: MIXTURE  
 SYNONYMS.....: NONE

REVISION.....:  
 DATE.....: 02/20/09  
 MSDS NUMBER: 1128200

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 2 HAZARDOUS INGREDIENTS  
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<u>HAZARDOUS COMPONENT</u>	<u>REG AGENCY</u>	<u>PPM</u>	<u>NOTES</u>	<u>MG/M3</u>	<u>NOTES</u>
Ethyl Benzene CAS NUMBER: 100-44 PERCENT BY WGT: <1	ACGIH STEL	125		543	
	ACGIH – TWA	100		434	
	NIOSH	100		435	
	NIOSH STEL	125		545	
	OSHA STEL	125		545	
	OSHA TWA	100		435	
Cuprous Oxide (as Cu dust and mists) CAS NUMBER: 1317-39-1 PERCENT BY WGT: 35 TO 40	ACGIH TLV	-		1.0	
	OSHA TWA	-		1.0	
Zinc oxide (as dust) CAS NUMBER: 1314-13-2 PERCENT BY WGT: 1 TO 5	ACGIH-TWA	-		2.0	
	OSHA TWA	-		15	1
	OSHA TWA	-		5	2
Copper Naphthenate (as Cu mists) CAS NUMBER: 1338-02-9 PERCENT BY WGT: <1	ACGIH TLV	-		1	
	NIOSH	-		1	
	OSHA TWA	-		1	
Titanium Dioxide CAS NUMBER: 13463-67-7 PERCENT BY WGT: 5 TO 10	ACGIH – TWA	-		10	
	NIOSH	-	(+)	-	(+)
	OSHA TWA	-		10	1
Tremolite (nonasbestiform) CAS NUMBER: 14567-73-8 PERCENT BY WGT: 1 TO 5			(None Est.)		
Talc (containing no asbestos) CAS NUMBER: 14807-96-6 PERCENT BY WGT: 5 TO 10	ACGIH-TWA	-		2	2
	NIOSH	-		2	
	OSHA TWA	-		2	3

Xylene	ACGIH STEL	150	651
CAS NUMBER: 1330-20-7	ACGIH-TWA	100	
PERCENT BY WGT: 1 TO 5	NIOSH	100	435
	NIOSH STEL	150	655
	OSHA STEL	150	655
	OSHA TWA	100	435
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 and 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
- (+) NIOSH occupational carcinogen  
 STS) Recommend that exposure limits for Stoddard solvent be used as a guideline.

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### 3 HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW:** WARNING! Combustible liquid and vapor. Harmful or fatal if swallowed or inhaled. May cause eye, skin and respiratory tract irritation.

**EYE:** 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 and titanium dioxide are 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.

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### 4 FIRST AID MEASURES

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**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.

**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.

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## 5 FIRE FIGHTING MEASURES

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**FLASH POINT:** 105° F/41° C

**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.

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## 6 SPILL AND LEAK PROCEDURES

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Stop spill/leak if no risk involved. Avoid breathing vapors. Eliminate ALL sources of ignition. 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.

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## 7 HANDLING AND STORAGE

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**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.

**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. 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.

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## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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**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 facility.

**RESPIRATORS:** Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved or equivalent) during and after application. Follow respirator manufacturer's directions for respirator use. Close container after each use. A respiratory protection program that meets OSHA 1910.134 and NIOSH 42 CFR 84 requirements must be followed 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.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

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Weight Per Gallon (lbs): 14.89	% VOL by Weight: 31%
Vapor Density: (Air=1) >1	Boiling Point: Not determined
Vapor Pressure: Not determined	Evaporation Rate: (n-butyl Acetate = 1) >1
pH: Not applicable	Specific Gravity: 1.788
Solubility in Water: Negligible	Viscosity: Not determined
VOC Content: 4.17 lbs/gal max.	

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## 10 STABILITY AND REACTIVITY DATA

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

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## 11 TOXICOLOGICAL INFORMATION

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**Titanium Dioxide:** Rats exposed to titanium dioxide dust at 250 mg/m<sup>3</sup> developed lung cancer, however, such exposure levels are not obtainable in the workplace.

**Xylene:** Laboratory animals exposed to high levels of xylene showed evidence of effects on the liver, kidneys, lungs, spleen, and caused hearing loss. Rats exposed during pregnancy to xylene showed fetotoxic effects.

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## 12 ECOLOGICAL INFORMATION

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Product has not been tested for ecotoxicity.

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

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14 TRANSPORTATION INFORMATION  
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<u>DEPARTMENT OF TRANSPORTATION REPORTABLE QUANTITIES</u> <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

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15 REGULATORY INFORMATION  
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SARA TITLE III SECTION 313 CHEMICALS

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

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16 OTHER INFORMATION  
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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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