

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: 1033 Ultima SR 60 Green  
 PRODUCT USE.: Antifouling bottom paint  
 APPEARANCE..: Green liquid with hydrocarbon odor  
 CAS NUMBER..: Mixture  
 SYNONYMS....: None

REVISION...: 3  
 DATE.....: 10/28/08  
 MSDS NUMBER: 1103306

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 2 HAZARDOUS INGREDIENTS  
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HAZARDOUS COMPONENT	REG AGENCY	PPM	NOTES	MG/M3	NOTES
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	
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
Cupric oxide			(None established.)		
CAS NUMBER:1317-38-0					
PERCENT BY WGT: 1 TO 5					
Cuprous oxide (as Cu dust and mists)	ACGIH-TLV			1.0	
	OSHA-TWA			1.0	
CAS NUMBER:1317-39-1					
PERCENT BY WGT: 55 TO 60					
Titanium dioxide	ACGIH-TWA	-		10	
CAS NUMBER:13463-67-7	NIOSH	-	(+)	-	(+)

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 2 HAZARDOUS INGREDIENTS  
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HAZARDOUS COMPONENT	REG AGENCY	PPM	NOTES	MG/M3	NOTES
PERCENT BY WGT: 1 TO 5	OSHA TWA	-		10	1
N-Cyclopropyl-N'(1,1-dimethyl)-6-(methylthio)* CAS NUMBER:28159-98-0 PERCENT BY WGT: 1 TO 5	SEE BELOW		A		
Petroleum distillates CAS NUMBER:64742-94-5 PERCENT BY WGT: 1 TO 5	ACGIH TLV OSHA PEL	100 500	STS STS		
Petroleum distillates CAS NUMBER:64742-95-6 PERCENT BY WGT: 1 TO 5	ACGIH TLV OSHA-PEL	100 500	STS STS		
Polyamide Resin CAS NUMBER:68911-38-6 PERCENT BY WGT: 1 TO 5			(None established.)		
n-Butyl alcohol (skin) CAS NUMBER:71-36-3 PERCENT BY WGT: 5 TO 10	ACGIH TLV NIOSH CEIL OSHA CEIL	20 50 50		150 150	
Copper (as Cu dusts & mists) CAS NUMBER:7440-50-8 PERCENT BY WGT: 1 TO 5	ACGIH TWA NIOSH OSHA TWA	- - -		1 1 1	
Naphthalene CAS NUMBER:91-20-3 PERCENT BY WGT: < 1	ACGIH STEL ACGIH TWA OSHA STEL OSHA TWA	15 10 15 10		79 52 75 50	
1,2,4 Trimethylbenzene CAS NUMBER:95-63-6 PERCENT BY WGT: 1 TO 5			(None established.)		
NOTES:					
1) Total dust					
2) Respirable fraction					
(+) NIOSH Occupational Carcinogen					
A ) N-Cyclopropyl-N'-(1,1-dimethylethyl)-6-(methylthio)-1,3,5-triazine-2,4 diamine					
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! Flammable liquid and vapor. Harmful or fatal if 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. One or more of the components of this product are known to cause an allergic skin reaction (sensitization) in susceptible individuals. 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, naphthalene 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

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4 FIRST AID MEASURES  
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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: 95 F/35 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 form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel, and equipment before transfer or use of material. Empty containers retain product residue (i.e. liquid and/or vapor) and can be dangerous. Do NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other ignition sources; they may explode and cause injury or death. 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 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.

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7 HANDLING AND STORAGE  
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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

7 HANDLING AND STORAGE

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. 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): 18.720 % VOL by Weight.: 18
Vapor Density.: (air=1)<1 Boiling Point...: Not determined
Vapor Pressure: Not determined Evaporation Rate: (ether=1)>1

9 PHYSICAL AND CHEMICAL PROPERTIES

pH.....: Not determined Specific Gravity: 2.247
Solubility In Water: Negligible Viscosity.....: Not determined
VOC Content.....: 396 g/L max.

10 STABILITY AND REACTIVITY DATA

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 compounds of this product have been found to cause reproductive harm and/or harm to the fetus in laboratory animal studies. Relevance to humans is uncertain.
Titanium Dioxide: Rats exposed to titanium dioxide dust at 250 mg/m3 developed lung cancer, however, such exposure levels are not attainable in the workplace. An epidemiologic study found that employees exposed to titanium dioxide were at no greater risk of developing lung cancer than non-exposed employees.

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

Table with 2 columns: REPORTABLE QTY (LBS) and HAZARDOUS SUBSTANCE. Row 1: 100, Xylene

DOT INFORMATION FOR DOMESTIC GROUND TRANSPORT IN CONTAINERS LESS THAN

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14 TRANSPORTATION INFORMATION  
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1.3 GALLONS (5 L):  
DOT Proper Shipping Name & Marking: ORM-D  
DOT Identification Number: None

DOT INFORMATION FOR AIR TRANSPORT:  
DOT Proper Shipping Name: Paint  
DOT CLASS: 3  
Packing Group: III  
DOT Identification number: UN1263

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15 REGULATORY INFORMATION  
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SARA TITLE III SECTION 313 CHEMICALS

Ethylbenzene  
Zinc oxide (as dust)  
Cupric oxide  
Cuprous oxide (as Cu dust and mists)  
n-Butyl alcohol (skin)  
Copper (as Cu dusts & mists)  
Naphthalene  
1,2,4 Trimethylbenzene

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 60061-94.

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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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16 OTHER INFORMATION  
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respect thereto and disclaims all liability from reliance thereon.

PREPARED BY: Manager of Health, Safety and Environmental Affairs

----- END OF MSDS -----