

Material Safety Data Sheet

MANUFACTURER:

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EMERGENCY TELEPHONE NUMBER:

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DATE: April 15, 2014

TECHNICAL INFORMATION:

(847)639-5383

SUPERSEDES: May 08, 2013

HMS:

H [1]

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R [0]

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT CODE: XO-1, 2, 4, 6, 7, 8, 11, 15, 18, 20, 23, 25, 26, 27, 31, 39, 41, D, N, P, T

PRODUCT NAME: XO-Rust Professional Rust Preventative Enamel Direct To Metal Oil Base

PRODUCT CLASS: Rust Preventative

SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	WT. %	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE mmHg@20°C
			TLV	PEL	
Mineral Spirits	8052-41-3	16-32	100ppm	100ppm	2.6
Carbon Black(1)	1333-86-4	.1-3	3.5mg/m ³	3.5mg/m ³	17.0
Hydrous Calcium Magnesium Silicate(2)	14807-96-6	5-8	2mg/m ³	2mg/m ³	NA
(S)Ethyl Benzene	100-41-4	0.1-1.5	100 ppm	100 ppm	12.0
(S)Zinc Compounds	Mixture	1-3	10mg/m ³	15mg/m ³	NA
Yellow Iron Oxide (3)	51274-00-1	1-9	5mg/m ³	5mg/m ³	NA
Red Iron Oxide (4)	1309-37-1	1-4	5mg/m ³	5mg/m ³	NA
(S)Cobalt Carboxylate	mixture	0.05-0.50	NA	NA	NA
Crystalline Silica Quartz (5)	14808-60-7	0.1-0.50	0.025 mg/m ³	0.1 mg/m ³	NA
Titanium Dioxide (6)	13463-67-7	0.1-25	10mg/m ³	15mg/m ³	NA
Limestone (7)	1317-65-3	21-31	10mg/m ³	15mg/m ³	NA
Hydrous Aluminum Silicate (8)	1332-58-7	3-6	2mg/m ³	15mg/m ³	NA
Amorphous Silica (9)	61790-53-2	1-4	6 mg/m ³	10 mg/m ³	NA
Hydrotreated Light Distillates	64742-47-8	1-19	100 ppm	100 ppm	NE
Aluminum Oxide (10)	21645-51-2	1-3	10mg/m ³	15mg/m ³	NA
Amorphous Silicon Dioxide (11)	7631-86-9	1-3	10mg/m ³	15mg/m ³	NA

(S) - This ingredient is subject to the reporting requirements of Section 313 SARA Title III. (1) - In XO-2, 11, 15, 18, 20 only.

(2) - In XO-18 only. (3) - XO-7, 11, 20, 26 only. (4) - In XO-6, 20 only. (5) - XO-18, 31 only. (6) - In XO- 1, 4, 7, 8,

11, 15, 23, 25, 26, 27, 31, 41, D, P, T only. (7) In XO- 18, 31 only. (8) - In XO-18, 31 only. (9) - In XO-18, 31 only.

(10) - In XO-1, P only. (11) - In XO-1, 23, 25, P, T only. NA - Not applicable. NE - Not established.

SECTION 3 - PHYSICAL DATA

VAPOR DENSITY: HEAVIER LIGHTER THAN AIR

EVAPORATION RATE: FASTER SLOWER THAN ETHER

APPEARANCE/ODOR: Thick liquid/aliphatic

VOLATILE ORGANIC COMPOUND(VOC) < 400 gm/l 3.4 lbs/gal

BOILING RANGE: 300-380°F

44-55 % VOLATILE VOLUME

DENSITY: 7.6-11.2 Wt(lbs)/Gal

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA Class II

DOT Combustible Liquid

FLASH POINT: 105°F LEL: 0.9

EXTINGUISHING MEDIA:

FOAM ALCOHOL FOAM CO₂ DRY CHEMICAL WATER FOG OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may explode when exposed to extreme heat.

Isolate from heat, sparks and open flame.

SPECIAL FIRE FIGHTING PROCEDURES: Use a self-contained breathing apparatus with full face mask in a positive pressure demand mode. Treat as a volatile liquid fire. Water spray may be ineffective.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

SPECIAL FIRE FIGHTING PROCEDURES: If water spray is used, fog nozzles are preferable. Water may be used to cool sealed containers to prevent pressure build-up and possible explosion or auto-ignition when exposed to the heat of a fire.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and unidentified organic compounds.

SECTION 5 - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

INHALATION: Exposure to large amounts of vapors, mists or sanding dusts may cause moderate irritation to the lungs, nose, and throat. May also cause dizziness, nausea or fatigue. Vapors or spray mists may be irritating to eyes, nose or throat. Prolonged overexposure may cause coughing, shortness of breath, dizziness, and intoxication. This product contains crystalline silica (cs), which is considered a hazard by inhalation.

SKIN CONTACT: Exposure may cause mild irritation. Prolonged exposure may cause drying and cracking.

EYE CONTACT: Causes irritation, including redness, stinging and watering.

INGESTION: Moderately toxic in large amounts. Could cause drowsiness, nausea or headache.

CARCINOGENICITY: This product contains carbon black, cobalt/cobalt compounds, titanium dioxide, crystalline silica and ethyl benzene (see section 2). Carbon black, titanium dioxide, ethyl benzene, cobalt and cobalt compounds have been classified by IARC (not NTP or OSHA) as possible carcinogens for humans (2B) from lab animal studies. Crystalline silica has been classified by IARC and NTP as a carcinogen for humans (Group 1) from lab animal studies.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Preexisting skin, eye and respiratory disorders may be aggravated by exposure to this product.

PRIMARY ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. Use artificial respiration if necessary. Seek medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash affected area with soap and water. Wash clothing before reuse.

EYE CONTACT: Immediately flush eyes with large amounts of water. If symptoms persist, seek medical attention.

INGESTION: Give 1 or 2 glasses of water to dilute. Do not induce vomiting. Get medical attention immediately.

SECTION 6 - REACTIVITY DATA

STABILITY: Stable **HAZARDOUS POLYMERIZATION:** Will not occur

INCOMPATIBILITY (Materials to avoid): Avoid contact with strong oxidizing agents.

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all ignition sources. Contain spill, absorb liquid with clay, sand or floor absorbent. Prevent run-off to sewers, streams or other bodies of water.

WASTE DISPOSAL METHOD: Observe all federal, state and local regulations regarding proper disposal.

SECTION 8 - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: NIOSH/MSHA jointly approved air purifying respirator if TLV limits are exceeded. Approved mechanical filter to remove solid airborne particles of overspray during application.

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV.

PROTECTIVE CLOTHING: Wear safety glasses with side shields to prevent eye contact. Contact lenses should not be worn. Use solvent resistant gloves to avoid prolonged contact.

OTHER PROTECTIVE EQUIPMENT: Eyewash fountains and safety showers in the event of an accident.

HYGIENIC PRACTICES: Wash hands thoroughly after use, and before eating, drinking or smoking.

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep out of reach of children. Keep liquid and vapor away from heat, sparks, and open flame. Close container after each use. Store in a cool dry area.

OTHER PRECAUTIONS: CAUTION: Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.

WARNING: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

The information contained in this MSDS is based on information and data provided by the supplier of the raw material used in the manufacture of this product. Although GPM believes such information and data to be reliable, GPM makes no warranty, expressed or implied, regarding the accuracy and completeness of such information and data.