

Safety Data Sheet

1. Identification

Product Information: XO-4

Product Name: X-O Rust Direct to Metal Oil Base Enamel - YELLOW (SAFETY YELLOW)

Recommended Use: Rust Preventative

Application Method: Refer To Product Label

Supplied by: GPM
201 Jandus Road
Cary, IL 60013
Telephone: (847) 639-5383

Emergency Telephone: (866)257-3981

2. Hazards Identification

EMERGENCY OVERVIEW: FLAMMABLE liquid and vapor.

GHS Classification
Flam. Liq. 3

Symbol(s) of Product



Signal Word
Warning

Possible Hazards
47% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS

Flammable Liquid, category 3 H226 Flammable liquid and vapor.

GHS LABEL PRECAUTIONARY STATEMENTS

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

GHS SDS PRECAUTIONARY STATEMENTS

P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8	25-50	GHS08	H304
TITANIUM DIOXIDE	13463-67-7	2.5-10	No Information	No Information
XYLENE	1330-20-7	1.0-2.5	GHS02-GHS07-GHS08	H226-304-312-315-332-335-373

ETHYLBENZENE	100-41-4	0.1-1.0	GHS02-GHS07-GHS08	H225-304-315-319-332-373
ALUMINUM OXIDE	1344-28-1	0.1-1.0	GHS07	H332
METHYL ETHYL KETOXIME	96-29-7	0.1-1.0	GHS05-GHS06-GHS08	H302-310-317-318-351
STODDARD SOLVENT	8052-41-3	0.1-1.0	GHS02-GHS08	H226-304
2-ETHYLHEXANOIC ACID COBALT SALT	136-52-7	0.1-1.0	GHS06	H302-312-330
AMINES, C12-14-TERT-ALKYL, 2-(2-BENZOTHAZOLYLTHIO)BUTANEDIOATES (2:1)	128686-03-3	0.1-1.0	GHS07	H302

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

4. First-aid Measures



FIRST AID - INHALATION: If inhaled, remove to fresh air. Administer oxygen if necessary. Consult a physician if symptoms persist or exposure was severe.

FIRST AID - SKIN CONTACT: In case of contact, wash skin immediately with soap and water. Launder clothing before reuse. Destroy contaminated leather articles.

FIRST AID - EYE CONTACT: If material gets into eyes, flush with water immediately for 15 minutes. Consult a physician.

FIRST AID - INGESTION: If ingested, DO NOT induce vomiting. If conscious, drink 8-10 oz. of water promptly. Call a physician immediately.

5. Fire-fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable liquid. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flash back.

SPECIAL FIREFIGHTING PROCEDURES: Use a self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode. Flammable. Cool fire-exposed containers using water spray.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog

6. Accidental Release Measures

ENVIRONMENTAL PRECAUTIONS: Contain any spills immediately and dike area to prevent spreading. Package material and dispose of as hazardous waste.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION FROM THE SPILL AREA. EVACUATE ALL NON-ESSENTIAL PERSONNEL UPWIND. USING NON-SPARKING TOOLS, SOAK UP SPILLED MATERIAL / SWEEP UP MATERIAL WITH ABSORBENTS AND PLACE IN A CONTAINER FOR DISPOSAL.

7. Handling and Storage



HANDLING: Flammable liquid. Avoid heat, sparks and open flames. Avoid breathing vapor and contact with eyes, skin and clothing. Hazardous residue may remain in emptied container. Do not reuse empty containers without commercial cleaning or reconditioning. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures.

STORAGE: Keep container closed when not in use. Store in a cool dry area. KEEP OUT OF REACH OF CHILDREN.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT TITANIUM DIOXIDE	5 mg/m3	10 mg/m3	5 mg/m3	N.E.
	10 mg/m3	N.E.	15 mg/m3 (Total dust)	N.E.
XYLENE	100 ppm	150 ppm	100 ppm	N.E.

ETHYLBENZENE	20 ppm	125 ppm	100 ppm	N.E.
ALUMINUM OXIDE	1 mg/m3 (Respirable dust)	N.E.	5 mg/m3 (Respirable dust)	N.E.
METHYL ETHYL KETOXIME	N.E.	N.E.	N.E.	N.E.
STODDARD SOLVENT	100 ppm	N.E.	500 ppm	N.E.
2-ETHYLHEXANOIC ACID COBALT SALT	0.02 mg/m3	N.E.	0.1 mg/m3	N.E.
AMINES, C12-14-TERT-ALKYL, 2-(2- BENZOTHAZOLYLTHIO) BUTANEDIOATES (2:1)	N.E.	N.E.	N.E.	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

Personal Protection



RESPIRATORY PROTECTION: Respirator use is not expected to be necessary under normal conditions of handling. In emergency situations, use of a NIOSH-approved respirator may be required. When concentrations exceed the exposure limits specified, use of a NIOSH-approved dust, mist and fume respirator is recommended. Where the protection factor of the respirator may be exceeded, use of a full facepiece, supplied air, or Self Contained Breathing Apparatus (SCBA) may be necessary.



SKIN PROTECTION: Chemical-resistant gloves may be required for individuals with sensitive skin.



EYE PROTECTION: Ensure that eyewash stations and safety showers are close to the workstation location. Chemical resistant goggles must be worn.



OTHER PROTECTIVE EQUIPMENT: Use personal protective equipment as necessary. Safety shower and eyewash station should be located in immediate work area.



HYGIENIC PRACTICES: Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Appearance:	Thick Yellow Liquid	Physical State:	Liquid
Odor:	Solvent Odor	Odor Threshold:	No Information
Density, lb/gal:	8.26 - 8.66	pH:	No Information
Freeze Point, °C:	No Information	Viscosity:	No Information
Solubility in Water:	No Information	Partition Coefficient, n-octanol/ water:	No Information
Decomposition temperature, °C	No Information		
Boiling Range, °C:	148 - 193	Explosive Limits, %:	N/A
Combustibility:	Supports Combustion	Flash Point, °C:	>40
Evaporation Rate:	Slower Than Ether	Auto-Ignition Temperature, °C	No Information
Vapor Density:	Heavier Than Air	Vapor Pressure, mmHg:	No Information

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Avoid heat, flames, sparks and other sources of ignition. Extremes of temperature and direct sunlight.

INCOMPATIBILITY: Keep away from strong oxidizing agents, heat and open flames. Strong acids and strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion may produce carbon monoxide and other toxic gases.

11. Toxicological Information



Practical Experiences

EFFECT OF OVEREXPOSURE - INHALATION: Inhalation may cause mild irritation to the respiratory tract (nose, mouth, mucous membranes). Inhalation of high concentrations may cause headache, nausea, and dizziness.

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Prolonged and repeated skin contact may cause irritation and possibly dermatitis.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Mist and vapors may cause eye irritation.

EFFECT OF OVEREXPOSURE - INGESTION: Harmful if swallowed. May cause nausea, vomiting, and diarrhea.

EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

CARCINOGENICITY: IARC lists Titanium Dioxide, Ethylbenzene and Cobalt/Cobalt compounds as possible human carcinogens (Group 2B)

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Contact

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
64742-47-8	DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	> 5,000 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	N.I.
13463-67-7	TITANIUM DIOXIDE	> 5,000 mg/kg (Rat)	> 10,000 mg/kg (Rabbit)	N.I.
1330-20-7	XYLENE	4,300 mg/kg (Rat)	>1,700 mg/kg (Rabbit)	6,350 mg/L, 4 hr (Rat)
100-41-4	ETHYLBENZENE	3,500 mg/kg (Rat)	15,433 mg/kg (Rabbit)	17.2 mg/L (Rat)
1344-28-1	ALUMINUM OXIDE	> 10,000 mg/kg (Rat)	N.I.	N.I.
96-29-7	METHYL ETHYL KETOXIME	930 mg/kg	0.2 mg/kg	N.I.
136-52-7	2-ETHYLHEXANOIC ACID COBALT SALT	1,300 mg/kg (Rat)	N.I.	N.I.
128686-03-3	AMINES, C12-14-TERT-ALKYL, 2-(2-BENZOTHAZOLYLTHIO)BUTANEDIOATES (2:1)	1,799 mg/kg (Rat)	> 2,000 mg/kg (Rat)	N.I.

N.I. = No Information

12. Ecological Information

ECOLOGICAL INFORMATION: No Information

13. Disposal Information



Product

DISPOSAL METHOD: Dispose of material in accordance with applicable federal, state and local regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION FROM THE SPILL AREA. EVACUATE ALL NON-ESSENTIAL PERSONNEL UPWIND. USING NON-SPARKING TOOLS, SOAK UP SPILLED MATERIAL / SWEEP UP MATERIAL WITH ABSORBENTS AND PLACE IN A CONTAINER FOR DISPOSAL.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: This product can be transported as a LIMITED QUANTITY for 1 Gallon or less.

DOT Proper Shipping Name:	Paint	Packing Group:	III
DOT Technical Name:	No Information	Hazard SubClass:	No Information
DOT Hazard Class:	3	Resp. Guide Page:	No Information
		DOT UN/NA Number:	UN1263

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Flammable (gases, aerosols, liquids, or solids)

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.

U.S. State Regulations:

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS-No.</u>
RESIN	Proprietary
RESIN	Proprietary

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

<u>Chemical Name</u>	<u>CAS-No.</u>
RESIN	Proprietary
RESIN	Proprietary
PIGMENT	Proprietary

CALIFORNIA PROPOSITION 65 CARCINOGENS



Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

<u>Chemical Name</u>	<u>CAS-No.</u>
ETHYLBENZENE	100-41-4
CRYSTALLINE SILICA	14808-60-7
NAPHTHALENE	91-20-3
CUMENE	98-82-8
BENZENE	71-43-2

H373 May cause damage to organs through prolonged or repeated exposure.

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS02



GHS05



GHS06



GHS07



GHS08



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product where instructions and recommendations are not followed.