

Safety Data Sheet

1. Identification

Product Information: XO30

Product Name: X-O Rust Direct to Metal Oil Base Flat Enamel - White

Recommended Use: Oil Based Flat Paint

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

HAZARDS OVERVIEW: FLAMMABLE liquid and vapor. This product does contain a material which can cause cancer. Crystalline silica has been classified by IARC and NTP as a carcinogen for humans (Group 1) from lab animal studies. Risk of cancer depends on duration and level of exposure from sanding surfaces or spray mist. When sanding or spraying product use (NIOSH/MSHA approved) respiratory protection.

GHS Classification

Carc. 1A, Flam. Liq. 3, STOT RE 2

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

26% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS

| | | |
|-------------------------------------|------|--|
| Carcinogenicity, category 1A | H350 | May cause cancer. Classified as carcinogenic Category 1 on the basis of epidemiological and/or animal data. Mixtures are classified as carcinogenic when at least 1 ingredient has been classified as carcinogenic and is present at 0.1% or above. Routes of exposure are dependant on ingredient form. |
| Flammable Liquid, category 3 | H226 | Flammable liquid and vapor. |
| STOT, repeated exposure, category 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|-----------|--|
| P201 | Obtain special instructions before use. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P314 | Get medical advice/attention if you feel unwell. |

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 LIMESTONE | 64742-47-8 | 25-50 | GHS08 | H304 |
| TITANIUM DIOXIDE | 1317-65-3 | 25-50 | GHS07 | H332 |
| trizinc bis(orthophosphate) | 13463-67-7 | 10-25 | No Information | No Information |
| ALUMINUM OXIDE | 7779-90-0 | 0.1-1.0 | No Information | No Information |
| CRYSTALLINE SILICA | 1344-28-1 | 0.1-1.0 | GHS07 | H332 |
| ZINC OXIDE | 14808-60-7 | 0.1-1.0 | GHS07-GHS08 | H332-350-373 |
| ETHYLBENZENE | 1314-13-2 | 0.1-1.0 | GHS07 | H332 |
| ZIRCONIUM DIOXIDE | 100-41-4 | 0.1-1.0 | GHS02-GHS07-GHS08 | H225-304-315-319-332-373 |
| METHYL ETHYL KETOXIME | 1314-23-4 | 0.1-1.0 | GHS07 | H332 |
| | 96-29-7 | 0.1-1.0 | GHS05-GHS06-GHS07-GHS08 | H302-310-317-318-351 |

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 LIMESTONE | 5 mg/m3 | 10 mg/m3 | 5 mg/m3 | N.E. |
| TITANIUM DIOXIDE | 5 mg/m3 (Respirable fraction) | N.E. | 5 mg/m3 (Respirable fraction) | N.E. |
| trizinc bis(orthophosphate) ALUMINUM OXIDE | 10 mg/m3 | N.E. | 15 mg/m3 (Total dust) | N.E. |
| CRYSTALLINE SILICA | N.E. | N.E. | N.E. | N.E. |
| ZINC OXIDE | 1 mg/m3 (Respirable dust) | N.E. | 5 mg/m3 (Respirable dust) | N.E. |
| ETHYLBENZENE | 0.05 mg/m3 (Respirable dust) | N.E. | 0.1 mg/m3 (Respirable dust) | N.E. |
| ZIRCONIUM DIOXIDE | 2 mg/m3 (Respirable fraction) | 10 mg/m3 (Respirable fraction) | 5 mg/m3 (Respirable fraction) | N.E. |
| METHYL ETHYL KETOXIME | 20 ppm | 125 ppm | 100 ppm | N.E. |
| | 5 mg/m3 | 10 mg/m3 | 5 mg/m3 | N.E. |
| | 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 White Liquid | Physical State: | Liquid |
| Odor: | Solvent Odor | Odor Threshold: | No Information |
| Density, lb/gal: | 11.18 - 11.58 | 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: | > 38 |
| 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. This product contains crystalline silica, which is considered a hazard by inhalation.

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: Crystalline silica is known to cause silicosis, a noncancerous lung disease. Exposure is by route of inhalation. If material is in a liquid matrix it is unlikely to be inhaled. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

CARCINOGENICITY: Crystalline silica has been classified by IARC and NTP as a carcinogen for humans (Group 1) from lab animal studies. Inhalation of crystalline silica can cause lung cancer. Under normal use conditions, such as brush, pad, or roller application, carcinogenic materials are suspended in a liquid matrix and are unlikely to be inhaled. Risk of cancer depends on duration and level of exposure from sanding surfaces or spray mist. When sanding or spraying product use (NIOSH/MSHA approved) respiratory protection. IARC lists Ethylbenzene as a possible human carcinogen (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. |
| 1317-65-3 | LIMESTONE | 6,450 mg/kg (Rat) | > 2,000 mg/kg (Rabbit) | >20 mg/L |
| 13463-67-7 | TITANIUM DIOXIDE | > 5,000 mg/kg (Rat) | > 10,000 mg/kg (Rabbit) | >20 mg/L |

| | | | | |
|-----------|-----------------------------|----------------------|-----------------------|-----------------|
| 7779-90-0 | trizinc bis(orthophosphate) | 5000 mg/kg | N.I. | N.I. |
| 1344-28-1 | ALUMINUM OXIDE | > 10,000 mg/kg (Rat) | > 5000 mg/kg | > 20 mg/L |
| 1314-13-2 | ZINC OXIDE | 7,950 mg/kg (Mouse) | N.I. | N.I. |
| 100-41-4 | ETHYLBENZENE | 3,500 mg/kg (Rat) | 15,433 mg/kg (Rabbit) | 17.2 mg/L (Rat) |
| 1314-23-4 | ZIRCONIUM DIOXIDE | > 5,000 mg/kg | N.I. | N.I. |
| 96-29-7 | METHYL ETHYL KETOXIME | 930 mg/kg | 0.2 mg/kg | 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), Carcinogenicity, Specific target organ toxicity (single or repeated exposure)

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:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| METHANOL | 67-56-1 |

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 |

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 |
| KAOLIN | 1332-58-7 |

CALIFORNIA PROPOSITION 65 CARCINOGENS



WARNING

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> |
|----------------------|----------------|
| CRYSTALLINE SILICA | 14808-60-7 |
| ETHYLBENZENE | 100-41-4 |
| CUMENE | 98-82-8 |
| NAPHTHALENE | 91-20-3 |
| BENZENE | 71-43-2 |

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS



WARNING

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| METHANOL | 67-56-1 |
| TOLUENE | 108-88-3 |

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.