

# Safety Data Sheet

5/21/2018

## 1. Identification

**Product Information:** XOP-10

**Product Name:** X-O Rust Professional Rust Preventative Paint & Primer In One Spray (360 Spray Tip) - ALUMINUM

**Recommended Use:** Aerosol Rust Preventative *X-O Rust Interior/Exterior*

**Application Method:** Refer to Product Label *XO-10 Aluminum all Colors*

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

**Emergency Telephone:** (866)257-3981

## 2. Hazards Identification

**EMERGENCY OVERVIEW:** Extremely Flammable!

### GHS Classification

Comp. Gas, Eye Irrit. 2, Fl Aer, 1, Muta. 1B, Repr. 2, Skin Irrit. 2, STOT RE 2, STOT SE 3 NE

### Symbol(s) of Product



### Signal Word

Danger

### Possible Hazards

85% of the mixture consists of ingredients of unknown acute toxicity

### GHS HAZARD STATEMENTS

Acute Toxicity, Inhalation, category 4	H332	Harmful if inhaled.
Compressed Gas	H280	Contains gas under pressure; may explode if heated.
Eye Irritation, category 2	H319	Causes serious eye irritation.
Flammable Aerosol, category 1	H222	Extremely flammable aerosol.
Germ Cell Mutagenicity, category 1B	H340	Suspected of causing genetic defects .
Reproductive Toxicity, category 2	H361	Suspected of damaging fertility or the unborn child. Classified Category 2 suspected human reproductive toxicant irreversible effects such as structural malfunctions, embryo/foetal lethality, post natal functional deficiencies.
STOT, repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
Skin Irritation, category 2	H315	Causes skin irritation.

### 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.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

P281 Use personal protective equipment as required.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P362 Take off contaminated clothing.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P410+P403 Protect from sunlight. Store in a well-ventilated place.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

### 3. Composition/Information on Ingredients

Chemical Name	CAS-No.	Wt. %	GHS Symbols	GHS Statements
PROPANE	74-98-6	10-25	GHS04	H280
CYCLOHEXANE	110-82-7	10-25	GHS02-GHS07-GHS08	H225-304-312-315-336
TOLUENE	108-88-3	10-25	GHS02-GHS07-GHS08	H225-304-315-336-361-373
PETROLEUM HYDROCARBON RESIN	68131-77-1	10-25	No Information	No Information
ACETONE	67-64-1	10-25	GHS02-GHS07	H225-319-332-336
BUTANE	106-97-8	10-25	GHS04-GHS08	H280-340
POLYMERIZED LINSEED OIL	67746-08-1	2.5-10	No Information	No Information
ALUMINUM, METAL DUST	7429-90-5	2.5-10	No Information	No Information
XYLENE	1330-20-7	1.0-2.5	GHS02-GHS07	H226-312-315-332
HYDRATED SILICA	112926-00-8	0.1-1.0	GHS06	H331
DI-N-BUTYLAMINE	111-92-2	0.1-1.0	GHS02-GHS06	H226-301-311-332

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

### 4. First-aid Measures



**FIRST AID - INHALATION:** Remove to fresh air. Give oxygen or artificial respiration if necessary. DO NOT use mouth to mouth resuscitation. Seek medical attention.

**FIRST AID - SKIN CONTACT:** Remove contaminated clothing. Wash affected area with soap and water. Wash clothing before reuse. Get medical attention if irritation develops or persists.

**FIRST AID - EYE CONTACT:** Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

**FIRST AID - INGESTION:** If ingested, do not induce vomiting. Immediately give two glasses of water or activated charcoal slurry. Never give anything by mouth to an unconscious person. Call a physician.

### 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. Container may rupture on heating.

**SPECIAL FIREFIGHTING 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. 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.

**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. SOAK UP SPILLED MATERIAL / SWEEP UP MATERIAL

WITH ABSORBENTS AND PLACE IN A CONTAINER FOR DISPOSAL.

**DANGER:** Rags, steel wool or other waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.

## 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

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
PROPANE	N.E.	N.E.	1000 PPM, 1800 mg/m3	N.E.
CYCLOHEXANE	100 PPM	N.E.	300 PPM	N.E.
TOLUENE	20 PPM	N.E.	200 PPM	300 PPM
PETROLEUM HYDROCARBON RESIN	10 mg/m3	N.E.	15 mg/m3	N.E.
ACETONE	500 PPM	500 PPM	1000 PPM, 2400 mg/m3	N.E.
BUTANE	N.E.	1000 PPM	N.E.	N.E.
POLYMERIZED LINSEED OIL	10 mg/m3	N.E.	N.E.	N.E.
ALUMINUM, METAL DUST	N.E.	N.E.	5 mg/kg3 (Respirable fraction)	N.E.
XYLENE	100 PPM	150 PPM	100 PPM	N.E.
HYDRATED SILICA	N.E.	N.E.	5 mg/m3 (Respirable fraction)	N.E.
DI-N-BUTYLAMINE	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:** 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**

<b>Appearance:</b>	Silver Aerosol Mist	<b>Physical State:</b>	Liquid
<b>Odor:</b>	Solvent Odor	<b>Odor Threshold:</b>	No Information
<b>Density, g/cm3:</b>	0.000	<b>pH:</b>	No Information
<b>Freeze Point, °C:</b>	No Information	<b>Viscosity:</b>	No Information
<b>Solubility in Water:</b>	No Information	<b>Partition Coefficient, n-octanol/ water:</b>	No Information
<b>Decomposition temperature, °C</b>	No Information		
<b>Boiling Range, °C:</b>	-29	<b>Explosive Limits, %:</b>	N/A
<b>Combustibility:</b>	Supports Combustion	<b>Flash Point, °C:</b>	-95
<b>Evaporation Rate:</b>	Faster than Diethyl Ether	<b>Auto-Ignition Temperature, °C</b>	No Information
<b>Vapor Density:</b>	Heavier than Air	<b>Vapor Pressure, mmHg:</b>	No Information

(See "Other information" Section for abbreviation legend)

**10. Stability and Reactivity**

**STABILITY:** Stable under recommended storage conditions.

**CONDITIONS TO AVOID:** Do not expose to temperatures above 120 °F (49 °C). Avoid heat, flames, sparks and other sources of ignition. Avoid contact with strong acids, strong bases and strong oxidizing agents.

**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:** Exposure to large amounts of vapors or spray mists may cause irritation to the lungs, nose, and throat. May also cause dizziness, nausea, fatigue, or headache. Prolonged overexposure may cause coughing, shortness of breath, dizziness, and intoxication.

**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:** No Components listed with NTP, IARC or OSHA

**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>
110-82-7	CYCLOHEXANE	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	N.I.
108-88-3	TOLUENE	>7,000 mg/kg	>12,000 mg/kg	>30.0 mg/l
67-64-1	ACETONE	5800 mg/kg	20000 mg/kg	N.I.
7429-90-5	ALUMINUM, METAL DUST	>2000 mg/kg (Rat)	>3400 mg/kg (Rabbit)	N.I.
1330-20-7	XYLENE	3523 mg/kg	1700 mg/kg	N.I.
112926-00-8	HYDRATED SILICA	>10000 mg/kg	>5000 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. SOAK UP SPILLED MATERIAL / SWEEP UP MATERIAL WITH ABSORBENTS AND PLACE IN A CONTAINER FOR DISPOSAL.**DANGER:** Rags, steel wool or other waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.**14. Transport Information****SPECIAL TRANSPORT PRECAUTIONS:** Note: This product can be transported as a LIMITED QUANTITY

<b>DOT Proper Shipping Name:</b>	Aerosols	<b>Packing Group:</b>	No Information
<b>DOT Technical Name:</b>	No Information	<b>Hazard SubClass:</b>	No Information
<b>DOT Hazard Class:</b>	2.1	<b>Resp. Guide Page:</b>	No Information
<b>DOT UN/NA Number:</b>	1950		

**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:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**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.

No NJ Right-To-Know components exist in this product.

**PENNSYLVANIA RIGHT-TO-KNOW**

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

No PA Right-To-Know components exist in this product.

**CALIFORNIA PROPOSITION 65 CARCINOGENS**

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

**Chemical Name**ETHYLBENZENE  
BENZENE**CAS-No.**100-41-4  
71-43-2**CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS**

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

**Chemical Name**

TOLUENE

**CAS-No.**

108-88-3

**International Regulations: As follows -****CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**WHMIS Class** No Information

**16. Other Information**

**Revision Date:** 1/26/2017 **Supersedes Date:** New MSDS  
**Reason for revision:** No Information  
**Datasheet produced by:** Regulatory Department

**HMIS Ratings:**

<b>Health:</b>	*2	<b>Flammability:</b>	4	<b>Reactivity:</b>	0	<b>Personal Protection:</b>	N.I.
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**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapor.  
H280 Contains gas under pressure; may explode if heated.  
H301 Toxic if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H311 Toxic in contact with skin.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.  
H336 May cause drowsiness or dizziness.  
H340 Suspected of causing genetic defects.  
H361 Suspected of damaging fertility or the unborn child. Classified Category 2 suspected human reproductive toxicant irreversible effects such as structural malfunctions, embryo/foetal lethality, post natal functional deficiencies.  
H373 May cause damage to organs through prolonged or repeated exposure.

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

GHS02



GHS04



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.