

Safety Data Sheet

1. Identification

Product Information:	XOP-46
Product Name:	X-O Rust Professional Safety Colors Paint & Primer In One Spray - SAFETY BLUE
Recommended Use:	Aerosol 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: Extremely Flammable!

GHS Classification

Carc. 1B, 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

29% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS

Flammable Aerosol, category 1	H222	Extremely flammable aerosol.
Compressed Gas	H280	Contains gas under pressure; may explode if heated.
Skin Irritation, category 2	H315	Causes skin irritation.
Eye Irritation, category 2	H319	Causes serious eye irritation.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
Germ Cell Mutagenicity, category 1B	H340	Suspected of causing genetic defects .
Carcinogenicity, category 1B	H350	Suspected of causing cancer.
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.

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

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
ACETONE	67-64-1	25-50	GHS02-GHS07	H225-319-332-336
PROPANE	74-98-6	10-25	GHS04	H280
TOLUENE	108-88-3	10-25	GHS02-GHS07-GHS08	H225-304-315-336-361-373
BUTANE	106-97-8	2.5-10	GHS04-GHS08	H280-340
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	64742-89-8	2.5-10	GHS08	H304-340-350
N-BUTYL ACETATE	123-86-4	2.5-10	GHS02-GHS07	H226-336
TITANIUM DIOXIDE	13463-67-7	1.0-2.5	GHS07	H312
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8	0.1-1.0	GHS08	H304-340-350
SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC	64742-94-5	0.1-1.0	GHS06-GHS08	H304-330
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	64742-95-6	0.1-1.0	GHS07-GHS08	H304-332-340-350
NAPHTA (PETROLEUM), HYDROTREATED HEAVY	64742-48-9	0.1-1.0	GHS08	H304-340-350
ETHYLBENZENE	100-41-4	0.1-1.0	GHS02-GHS07-GHS08	H225-304-315-319-332-373

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: Container may rupture on heating. 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 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. 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: Store in a cool dry area. KEEP OUT OF REACH OF CHILDREN. Keep container closed when not in use.

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>
ACETONE	500 PPM	500 PPM	1000 PPM, 2400 mg/m ³	N.E.
PROPANE	N.E.	N.E.	1000 PPM, 1800 mg/m ³	N.E.
TOLUENE	20 PPM	N.E.	200 PPM	300 PPM
BUTANE	N.E.	1000 PPM	N.E.	N.E.
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	N.E.	N.E.	500 PPM, 2000 mg/m ³	N.E.
N-BUTYL ACETATE	150 PPM	200 PPM	N.E.	N.E.
TITANIUM DIOXIDE	10 mg/m ³	N.E.	15 mg/m ³ (Total dust)	N.E.
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	100 ppm	N.E.	N.E.	N.E.
SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC	N.E.	N.E.	N.E.	N.E.
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	200 mg/m ³	N.E.	400 PPM	500 PPM
NAPHTA (PETROLEUM), HYDROTREATED HEAVY	N.E.	N.E.	400 mg/m ³	N.E.
ETHYLBENZENE	20 PPM	125 PPM	100 PPM, 435 mg/m ³	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: Keep away from food, drink and animal feeding stuffs. Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited.

9. Physical and Chemical Properties

Appearance:	Blue Aerosol Mist	Physical State:	Liquid
Odor:	Solvent Odor	Odor Threshold:	No Information
Density, g/cm3:	0.000	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:	-29	Explosive Limits, %:	N/A
Combustibility:	Supports Combustion	Flash Point, °C:	-95
Evaporation Rate:	Faster Than Diethyl 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: Do not expose to temperatures above 120 °F (49 °C). Avoid contact with strong acids, strong bases and strong oxidizing agents. Avoid heat, flames, sparks and other sources of ignition.

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

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: IARC lists Ethylbenzene and Titanium dioxide 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>
67-64-1	ACETONE	5800 mg/kg	20000 mg/kg	N.I.
108-88-3	TOLUENE	>7,000 mg/kg	>12,000 mg/kg	>30.0 mg/l

64742-89-8	SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC	>2000 mg/kg (Rat)	>3000 mg/kg (Rabbit)	>5000 PPM/1h (Rat)
123-86-4	N-BUTYL ACETATE	14130 mg/kg (Rat)	>17600 mg/kg (Rabbit)	390 mg/l/4hrs (Rat)
13463-67-7	TITANIUM DIOXIDE	10000 mg/kg	2000 mg/kg	N.I.
64742-47-8	DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	>5000 mg/kg	>5000 mg/kg	N.I.
64742-94-5	SOLVENT NAPHTHA (PETROLEUM), HEAVY AROMATIC	3000 mg/kg (Rat)	>3000 mg/kg (Rabbit)	>0.2 mg/l/4hr (Rat)
64742-95-6	SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	>5600 mg/kg	>4000 mg/kg	>10.2 mg/l/4hr
64742-48-9	NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	5000 mg/kg	3160 mg/kg	N.I.
100-41-4	ETHYLBENZENE	3500 mg/kg	17000 mg/kg	17.2 mg/l (Rat)

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: Note: This product can be transported as a LIMITED QUANTITY

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

<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

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>
TITANIUM DIOXIDE	13463-67-7
HYDRATED ALUMINUM MAGNESIUM SILICATE	12174-11-7
ETHYLBENZENE	100-41-4
NAPHTHALENE	91-20-3
CRYSTALLINE SILICA	14808-60-7

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.

<u>Chemical Name</u>	<u>CAS-No.</u>
TOLUENE	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: 1/11/2017 **Supersedes Date:** New MSDS

Reason for revision: No Information

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health:	*2	Flammability:	4	Reactivity:	0	Personal Protection:	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.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H340	Suspected of causing genetic defects.
H350	Suspected of causing cancer.

- 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.