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**Material Safety Data Sheet**

**Name** XO-1 XO-RUST ENAMEL  
**Company** TRU-TEST MFG CO

**MSDS** cjzjp  
**FSC** 8010

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**MSDS Safety Information**

FSC: 8010  
MSDS Date: 01/28/1997  
MSDS Num: CJZJP  
LIIN: 00F053862  
Product ID: XO-1 XO-RUST ENAMEL  
MFN: 02  
Responsible Party  
Cage: 3D277  
Name: TRU-TEST MFG CO  
Address: 201 JANDUS RD  
City: CARY IL 60013  
Info Phone Number: 708-639-5383  
Emergency Phone Number: 800-228-5635 EXT 017/847-639-5383  
Review Ind: Y  
Published: Y

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**Preparer Co. when other than Responsible Party Co.**

Cage: TRUTE  
Name: TRU-TEST MANUFACTURING CO  
Address: 201 JANDUS RD  
City: CARY IL 60013

**Contractor Summary**

Cage: 3D277  
Name: TRU-TEST MFG CO  
Address: 201 JANDUS RD  
City: CARY IL 60013  
Phone: 708-639-5383

**Ingredients**

Cas: 64742-47-8  
RTECS #: OA5504000  
Name: MINERAL SPIRITS  
% low Wt: 23.  
% high Wt: 37.

-----  
Cas: 1330-20-7  
RTECS #: ZE2100000  
Name: XYLENE  
% low Wt: 1.  
% high Wt: 4.  
ACGIH TLV: 434 MG/M3;100 PPM  
ACGIH STEL: 651 MG/M3;150 PPM  
EPA Rpt Qty: 1000 LBS  
DOT Rpt Qty: 1000 LBS  
-----

Cas: 66402-68-4



Name: CALCIUM BARIUM PHOSPHOSILICATE

% low Wt: 1.

% high Wt: 3.

-----  
Cas: 1333-86-4

RTECS #: FF5800000

Name: CARBON BLACK

% low Wt: 1.

% high Wt: 2.

OSHA PEL: 3.5 MG/M3

ACGIH TLV: 3.5 MG/M3

ACGIH STEL: NOT ESTABLISHED  
-----

Cas: 14464-46-1

RTECS #: VV7325000

Name: CRYSTALLINE SILICA

% low Wt: 1.

% high Wt: 3.

OSHA PEL: SEE TABLE Z-3

ACGIH TLV: 0.05 MG/M3

ACGIH STEL: NOT ESTABLISHED  
-----

Cas: 14807-96-6

RTECS #: WW2710000

Name: HYDROUS CALCIUM MAGNESIUM SILICATE

% low Wt: 5.

% high Wt: 6.

OSHA PEL: SEE TABLE Z-3

ACGIH TLV: 2 MG/M3

ACGIH STEL: NOT ESTABLISHED

### Health Hazards Data

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: YES

OSHA: NO

Effects of Exposure: INHALATION: MODERATE IRRITATION TO LUNGS, NOSE ANDamp;

THROAT. PRODUCT CONTAINS CRYSTALLINE SILICA WHICH IS CONSIDERED A HAZARD.

SKIN: MILD IRRITANT. EYES: IRRITATION. INGESTION: MODERATELY TOXIC IN LARGE A  
MOUNTS.

Explanation Of Carcinogenicity: THIS PRODUCT CONTAINS CRYSTALLINE SILICA ANDamp;

CARBON BLACK WHICH BOTH HAVE BEEN CLASSIFIED BY IARC BUT NOT NTP/OSHA

REGARDING THEIR CARCINOGENICITY BASED ON LABORATORY ANIMAL STUDIES.

Signs And Symptoms Of Overexposure: IRRITATION, DIZZINESS, NAUSEA, FATIGUE,

DRYING/CRACKING OF SKIN, REDNESS, STINGING, WATERING OF EYES, DROWSINESS,

HEADACHE

Medical Cond Aggravated By Exposure: PRE-EXISTING SKIN, EYES ANDamp; RESPIRATORY  
DISORDERS.

First Aid: INHALATION: REMOVE TO FRESH AIR. USE CPR IF NECESSARY. SKIN: WASH

W/SOAP ANDamp; WATER. EYES: IMMEDIATELY FLUSH W/LARGE AMOUNTS OF WATER.

INGESTION: GIVE 1-2 GLASSES OF WATER TO DILUTE. DON'T INDUCE VOMITIN G.

OBTAIN MEDICAL ATTENTION IN ALL CASES.

### Handling and Disposal

Spill Release Procedures: ELIMINATE ALL IGNITION SOURCES. CONTAIN LEAK, ABSORB  
LIQUID W/CLAY, SAND/FLOOR ABSORBENT. PREVENT RUNOFF TO SEWERS, STREAMS/OTHER  
BODIES OF WATER.

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE W/LOCAL, STATE ANDamp; FEDERAL  
REGULATIONS.

Handling And Storage Precautions: KEEP LIQUID ANDamp; VAPOR AWAY FROM HEAT,  
SPARKS ANDamp; OPEN FLAME. CLOSED CONTAINER AFTER EACH USE. STORE IN A COOL,  
DRY AREA. KEEP OUT OF REACH OF CHILDREN.

Other Precautions: REPEATED/PROLONGED OVEREXPOSURE TO SOLVENTS MAY CAUSE

PERMANENT BRAIN ANDamp; NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY

DELIBERATELY CONCENTRATING ANDamp; INHALING CONTENTS MAY BE HARMFUL/FATAL.

## Fire and Explosion Hazard Information

Flash Point: =40.6C, 105.F

Lower Limits: 0.9

Extinguishing Media: FOAM, CO2, DRY CHEMICAL, WATER FOG

Fire Fighting Procedures: USE SELF CONTAINED BREATHING APPARATUS W/FULL FACE MASK IN A POSITIVE PRESSURE DEMAND MODE. 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/AUTOIGNITION.

Unusual Fire/Explosion Hazard: CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO HEAT. TREAT AS A VOLATILE LIQUID FIRE.

## Control Measures

Respiratory Protection: WEAR A 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: SUFFICIENT MECHANICAL GENERAL/LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW TLV.

Protective Gloves: SOLVENT RESISTANT

Eye Protection: SAFETY GLASSES W/SIDE SHEILDS

Other Protective Equipment: EYEWASH FOUNTAINS, SAFETY SHOWERS

Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING AND SHOES BEFORE REUSE. WASH HANDS THOROUGHLY AFTER USE AND BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health: CONTACT LENSES SHOULD NOT BE WORN.

## Physical/Chemical Properties

B.P. Text: 300-380F

Vapor Density: ANDgt;1

VOC Grams/Liter: 380

Evaporation Rate ANDamp; Reference: SLOWER THAN ETHER

Appearance and Odor: THICK LIQUID/ALIPHATIC ODOR

Percent Volatiles by Volume: 45-51

## Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: HEAT, SPARKS, OPEN FLAME, TEMPS gt;120F AND OTHER IGNITION SOURCES.

Materials To Avoid: STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: CO, CO2 AND UNIDENTIFIED ORGANIC COMPOUNDS

Hazardous Polymerization Indicator: NO

## Toxicological Information

## Ecological Information

## MSDS Transport Information

## Regulatory Information

State Regulatory Information: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS/OTHER REPRODUCTIVE HARM.

## Other Information

Other Information: THE INFORMATION CONTAINED IN THIS MSDS IS BASED ON INFORMATION AND DATA PROVIDED BY THE SUPPLIER OF THE RAW MATERIAL USED IN THE MANUFACTURER OF THIS PRODUCT. ALTHOUGH TRU-TEST MANUFACTURING COMPANY BELIEVES SUCH INFORMATION AND DATA TO BE RELIABLE, TRU TEST MANUFACTURING COMPANY MAKES NO WARRANTY, EXPRESSED/IMPLIED, REGARDING THE ACCURACY AND

COMPLETENESS OF SUCH INFORMATION ANDamp; DATA.

### HAZCOM Label

Product ID: XO-1 XO-RUST ENAMEL  
Cage: 3D277  
Company Name: TRU-TEST MFG CO  
Street: 201 JANDUS RD  
City: CARY IL  
Zipcode: 60013  
Health Emergency Phone: 800-228-5635 EXT 017/847-639-5383  
Label Required IND: Y  
Date Of Label Review: 01/24/2000  
Status Code: A  
Origination Code: G  
Hazard And Precautions: INHALATION: MODERATE IRRITATION TO LUNGS, NOSE ANDamp;  
THROAT. PRODUCT CONTAINS CRYSTALLINE SILICA WHICH IS CONSIDERED A HAZARD.  
SKIN: MILD IRRITANT. EYES: IRRITATION. INGESTION: MODERATELY TOXIC IN LARGE A  
MOUNTS.

### Disclaimer

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