Material Safety Data Sheet

Name XO-4 XO-RUST ENAMEL **MSDS** cjzjr

Company TRU-TEST MFG CO **FSC** 8010

MSDS Safety Information

FSC: 8010
MSDS Date: 01/28/1997
MSDS Num: CJZJR
LIIN: 00F053862
Product ID: XO-4 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

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 Symptions 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 COO L
SEALED CONTAINERS TO PREVENT PRESSURE BUILD UP ANDamp; 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 ANDamp; BIRTH DEFECTS/OTHER REPRODUCTIVE
HARM.

Other Information

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

HAZCOM Label

Product ID: XO-4 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

(provided with this information by the compiling agencies): This
information is formulated for use by elements of the Department of Defense.

The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.