

***** SECTION 1: PRODUCT IDENTIFICATION

FACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415
 TELEPHONE NUMBER : (612) 332-7371
 EMERGENCY PHONE NO : 1-800-228-5635
 CAL NAME OR FAMILY : PAINT PRODUCT
 A : NOT APPLICABLE
 NAME : 37 13R62L VC EP PRIMER RED
 ION DATE : 04-09-91 DATE PRINTED : 06-12-91

***** SECTION 2: HAZARDOUS INGREDIENTS

| NAME | APPROX WT % | | |
|--|----------------|----------|------------|
| (NA):XYLENE | 1% | TLV TWA | 100.00 PPM |
| | | TLV STEL | 150.00 PPM |
| 330-20-7 CHEMICAL: PHENYL,DIMETHYL | | OSHA PEL | 100.00 PPM |
| | | CEILING | NOT ESTAB |
| | | RECOMND | NOT ESTAB |
| (NA):MICA | 10% | TLV TWA | 20.00 MPPC |
| | | TLV STEL | NOT ESTAB |
| 001-26-2 CHEMICAL: MUSCOVITE MICA | | OSHA PEL | 3.00 MG/C |
| | | CEILING | NOT ESTAB |
| | | RECOMND | NOT ESTAB |
| (NA):TALC | 15% | TLV TWA | 10.00 MG/C |
| | | TLV STEL | NOT ESTAB |
| 807-96-6 CHEMICAL: SILICIC ACID,MAGNESIUM SA LT (1:1) | | OSHA PEL | 2.00 MG/C |
| | | CEILING | NOT ESTAB |
| | | RECOMND | NOT ESTAB |
| (NA):TALC | 10% | TLV TWA | 10.00 MG/C |
| | | TLV STEL | NOT ESTAB |
| 807-96-6 CHEMICAL: SILICIC ACID,MAGNESIUM SA LT (1:1) | | OSHA PEL | 2.00 MG/C |
| | | CEILING | NOT ESTAB |
| | | RECOMND | NOT ESTAB |
| (NA):EPOXY RESIN | 30% | TLV TWA | NOT ESTAB |
| | | TLV STEL | NOT ESTAB |
| 068-38-6 CHEMICAL: PHENOL, 4,4'-(1-METHYL ETHYLIDENE)BIS-, POLYMER WITH (CHLOROMETHYL) OXIRANE | | OSHA PEL | NOT ESTAB |
| | | CEILING | NOT ESTAB |
| | | RECOMND | NOT ESTAB |
| (NA):BUTYL ACETATE | 15% | TLV TWA | 150.00 PPM |
| | | TLV STEL | 200.00 PPM |
| 23-86-4 CHEMICAL: ACETIC ACID, BUTYL ESTER | | OSHA PEL | 150.00 PPM |
| | | CEILING | NOT ESTAB |
| | | RECOMND | NOT ESTAB |
| (NA):METHYL N-AMYL KETONE | 10% | TLV TWA | 50.00 PPM |
| | | TLV STEL | NOT ESTAB |

***** SECTION 2: HAZARDOUS INGREDIENTS

****CONTINUED****

COMMON(NA):TOLUENE

5% TLV TWA 100.00 PPM
TLV STEL 150.00 PPM
OSHA PEL 100.00 PPM
CEILING NOT ESTAB
RECOMND NOT ESTAB

IS:108-88-3 CHEMICAL: PHENYL, METHANE

***** SECTION 3: PHYSICAL DATA

BOILING POINT: 230 DEG F.
VAPOR PRESSURE MM HG AT 70 DEG F: 28.0
VAPOR DENSITY (AIR = 1.0): 4.0
SPECIFIC GRAVITY: 1.28
PERCENT VOLATILE BY VOLUME: 47.81
EVAPORATION RATE (BUTYL ACETATE = 1): 2.0
SOLUBILITY IN WATER: NO
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.

***** SECTION 4: FIRE AND EXPLOSION HAZARD

FLASH POINT TCC/PM DEG F : 67
LOWER EXPLOSIVE LIMIT : 1.00
UPPER EXPLOSIVE LIMIT : 11.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FCAM, AND/OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES:

FIRE FIGHTERS MUST WEAR SELF CONTAINED BREATHING APPARATUS OR AIR MASKS.
CONTAINERS EXPOSED TO FIRE SHOULD BE KEPT COOL WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS:

NONE

***** SECTION 5: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NOT REQUIRED FOR MIXTURE.

EFFECTS OF OVEREXPOSURE:

IMMEDIATE EFFECTS (ACUTE):

HARMFUL IF INHALED. MAY AFFECT THE BRAIN, NERVOUS SYSTEM OR RESPIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY IRRITATION.

OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND THROAT IRRITATION, LUNG IRRITATION, LUNG INJURY, EYE IRRITATION, SKIN IRRITATION, LIVER DAMAGE, KIDNEY DAMAGE, CNS DEPRESSION, CORNEAL INJURY/EYE DAMAGE.

DELAYED EFFECTS (CHRONIC):

CONTAINS CRYSTALLINE SILICA THAT IARC HAS CONCLUDED MAY CAUSE CANCER IN ANIMALS BUT LIMITED EVIDENCE OF CANCER IN HUMANS.

PROLONGED EXPOSURE OVER TLV MAY PRODUCE PNEUMOCONIOSIS

NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM

***** SECTION 5: HEALTH HAZARD DATA *****CONTINUED****

DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. CONTAINS INGREDIENTS WHICH MAY CAUSE LIVER DAMAGE, KIDNEY DAMAGE, MUCOUS MEMBRANE IRRITATION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - ANY RESPIRATORY OR SKIN CONDITION.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION.
SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER.
CLOTHING: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. DESTROY CONTAMINATED SHOES.
INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION IMMEDIATELY.
SWALLOWING: IF SWALLOWED, GET MEDICAL ATTENTION IMMEDIATELY.

POSSIBLE ROUTES OF ENTRY: INHALATION, INGESTION, SKIN ABSORPTION.

***** SECTION 6: REACTIVITY DATA *****

THIS PRODUCT IS STABLE
CONDITIONS TO AVOID: NONE
INCOMPATIBILITY: STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS:
SILICON DIOXIDE CARBON DIOXIDE/MONOXIDE METAL OXIDES

HAZARDOUS POLYMERIZATION: NONE

***** SECTION 7: SPILL OR LEAK PROCEDURES *****

VENTILATE AREA. AVOID BREATHING OF VAPORS. USE SELF-CONTAINED BREATHING APPARATUS OR AIRMASK FOR LARGE SPILLS IN A CONFINED AREA. ELIMINATE IGNITION SOURCES. REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS. AVOID ALL PERSONAL CONTACT.

WASTE DISPOSAL METHOD:
DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

***** SECTION 8: SPECIAL PROTECTION INFORMATION *****

RESPIRATORY PROTECTION:
WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING AND AFTER APPLICATION UNLESS AIR MONITORING VAPOR/MIST LEVELS ARE BELOW APPLICABLE LIMITS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR RESPIRATOR USE.

VENTILATION:

***** SECTION 8: SPECIAL PROTECTION INFORMATION ****CONTINUED****
EQUIPMENT SHOULD BE PROVIDED FOR SPRAYING OR IN A CONFINED AREA, VENTILATION EQUIPMENT SHOULD BE
RESISTANT TO CORROSION. ELIMINATE IGNITION SOURCES

RESISTANT GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.
PROTECTION: USUAL EYE PROTECTION FOR APPLYING PAINT.
PROTECTIVE EQUIPMENT: USUAL CLOTHING FOR PAINTING OPERATIONS.

***** SECTION 9: SPECIAL PRECAUTIONS *****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

CONTAINERS SHOULD BE GROUNDED/BONDED WHEN POURING. AVOID FREE FALL OF
CONTAINER IN EXCESS OF A FEW INCHES.

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER
CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. BASED ON THE PRODUCT FLASH
POINT AND VAPOR PRESSURE SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH
FEDERAL REGULATION 1910. 106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE,
INCLUDING FLAMMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR
REPAIR CONTAINER. ALL LABEL WARNINGS MUST BE OBSERVED UNTIL THE CONTAINER HAS
BEEN CLEANED OR RECONDITIONED.

ABBREVIATIONS USED:

OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION;
IARC-INTERNATIONAL AGENCY FOR RESEARCH ON CANCER; LEL-LOWER EXPLOSIVE LIMITS;
UEL-UPPER EXPLOSIVE LIMITS; MG CU M-MILLIGRAMS PER METERS CUBED; MM-MILLIMETERS;
PPM-PARTS PER MILLION; PCF-PARTICLES PER CUBIC FOOT; MSHA-MINE SAFETY AND HEALTH
ADMINISTRATION; NA-NOT APPLICABLE; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL
SAFETY AND HEALTH; NOT EST-NOT ESTABLISHED; NTP-NATIONAL TOXICOLOGY PROGRAM;
TLV-THRESHOLD LIMIT VALUE; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION;
CPM-COUNTERS PER MINUTE; TAG-TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUE

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