V A L S P A R C O R P O R A T I O N
MATERIAL SAFETY DATA SHEET

CUSTOMER NAME : ACE HARDWARE CORP CUSTOMER NUMBER: 004379013
CUSTOMER INVOICE : 1255268

********** SECTION 1: PRODUCT IDENTIFICATION **********

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415
MFG TELEPHONE NUMBER : (612) 332-7371
24 HR EMERGENCY PHONE NO : 1-800-228-5635
CHEMICAL NAME OR FAMILY : PAINT PRODUCT
FORMULA : NOT APPLICABLE
TRADE NAME : MRN COP/VNL A/F RED
TRADE NAME : 27 3535 MRN COP/VNL A/F RED
ISSUE DATE : 04-02-96 DATE PRINTED : 04-11-96

********** SECTION 2: HAZARDOUS INGREDIENTS **********

NAME	WT %	
*COMMON (NA): CUPROUS OXIDE PIGMENT	45%	TLV TWA 1.00 MG/CU M TLV STEL NOT ESTAB OSHA PEL NOT ESTAB CEILING NOT ESTAB RECOMND NOT ESTAB
CAS: 1317-39-1 CHEMICAL: COPPER OXIDE		
COMMON (NA): TITANIUM DIOXIDE	5%	TLV TWA 10.00 MG/CU M TLV STEL NOT ESTAB OSHA PEL 10.00 MG/CU M CEILING NOT ESTAB RECOMND NOT ESTAB
CAS: 13463-67-7 CHEMICAL: TITANIUM OXIDE		
*COMMON (NA): METHYL ISOBUTYL KETONE	20%	TLV TWA 50.00 PPM TLV STEL 75.00 PPM OSHA PEL 50.00 PPM CEILING NOT ESTAB RECOMND NOT ESTAB
CAS: 108-10-1 CHEMICAL: 2-PENTANONE, 4-METHYL-		
COMMON (NA): AROMATIC NAPHTHA, LIGHT	5%	TLV TWA 100.00 PPM TLV STEL NOT ESTAB OSHA PEL NOT ESTAB CEILING NOT ESTAB RECOMND 50.00 PPM
CAS: 64742-95-6 CHEMICAL: SOLVENT NAPHTHA (PETROLEUM), LT. AROM.		
*COMMON (NA): 1,2,4-TRIMETHYLBENZENE	5%	TLV TWA 25.00 PPM TLV STEL NOT ESTAB OSHA PEL 25.00 PPM CEILING NOT ESTAB RECOMND NOT ESTAB
CAS: 95-63-6 CHEMICAL: BENZENE, 1,2,4-TRIMETHYL-		

CHEMICALS NOTED WITH A (*) ARE REPORTABLE UNDER SECTION 313 OF SARA TITLE III

ALL COMPONENTS OF THIS PRODUCT ARE LISTED IN THE U.S. TSCA CHEMICAL SUBSTANCE INVENTORY.

********** SECTION 3: PHYSICAL DATA **********

BOILING POINT: 237 DEG F.
VAPOR PRESSURE MM HG AT 68 DEG F: 15.0
VAPOR DENSITY (AIR = 1.0): 4.3
SPECIFIC GRAVITY: 1.77
PERCENT VOLATILE BY VOLUME: 68.00
EVAPORATION RATE (BUTYL ACETATE = 1): 1.6
SOLUBILITY IN WATER: NO
APPEARANCE AND ODOR: NORMAL FOR A COATINGS PRODUCT.
THEORETICAL VOC: 2.50 LBS/GALLON
THEORETICAL VOC: 300 GRAMS/LITER

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

FLASH POINT TCC/PM DEG F : 68
LOWER EXPLOSIVE LIMIT : 1.00
UPPER EXPLOSIVE LIMIT : 8.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM, 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, EYE IRRITATION, SKIN IRRITATION, HARMFUL IF SWALLOWED.
DELAYED EFFECTS (CHRONIC):
NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

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.
INHALATION: IF AFFECTED BY INHALATION OF VAPOR OR SPRAY MIST, REMOVE TO FRESH AIR.
SWALLOWING: IF SWALLOWED, GET MEDICAL ATTENTION IMMEDIATELY.

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

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

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

HAZARDOUS DECOMPOSITION PRODUCTS:
CARBON DIOXIDE/MONOXIDE

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 CONTACT WITH EYES.

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:
UNLESS AIR MONITORING DEMONSTRATES VAPOR/MIST LEVELS ABOVE APPLICABLE LIMITS, NO RESPIRATOR IS REQUIRED. IF RESPIRATOR IS REQUIRED, THE APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) SHOULD BE WORN DURING APPLICATION. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS FOR RESPIRATOR USE.

VENTILATION:
REQUIRED FOR SPRAYING OR IN A CONFINED AREA. VENTILATION EQUIPMENT SHOULD BE EXPLOSION PROOF. ELIMINATE IGNITION SOURCES

PROTECTIVE GLOVES: USUAL HAND PROTECTION FOR PAINT APPLICATION.
EYE PROTECTION: FOR SPRAY APPLICATION, USE CHEMICAL GOGGLES AS A MINIMUM. OTHERWISE, USE SAFETY GLASSES WITH SIDE SHIELDS AS A MINIMUM.
OTHER 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 LIQUID 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 OSHA REGULATION 1910. 106. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE, INCLUDING FLAMABLE OR EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR 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 MPPCF-MILLIONS OF 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; PB-LEAD; PEL-PERMISSIBLE EXPOSURE LEVEL; PPM-PARTS PER MILLION; TCC/PM TAG CLOSED CUP/PENSKY-MARTEN; RECM-RECOMMENDED; TLV-THRESHOLD LIMIT VALUES.

********** DEPT. OF TRANSPORTATION SHIPPING INFO **********

---------- DOMESTIC ----------

PROPER SHIPPING NAME: PAINT

HAZARD CLASS : 3

ID NUMBER : UN1263

PACKAGING GROUP : II

HAZARD LABEL(S) :

EMERGENCY RESPONSE GUIDE PAGE : 26

---------- INTERNATIONAL OR AIR FREIGHT ----------

PROPER SHIPPING NAME: PAINT

HAZARD CLASS : 3

ID NUMBER : UN1263

********** DEPT. OF TRANSPORTATION SHIPPING INFO ****CONTINUED****

PACKAGING GROUP : II

HAZARD LABEL(S) :

EMERGENCY RESPONSE GUIDE PAGE : 26

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