

## \*\*\*\*\* SECTION 1: PRODUCT IDENTIFICATION \*\*\*\*\*

MANUFACTURERS ADDRESS : 1101 THIRD STREET SOUTH, MINNEAPOLIS, MN 55415  
 MFG TELEPHONE NUMBER : (612) 332-7371  
 24 HR EMERGENCY PHONE NO : 1-888-345-5732  
 CHEMICAL NAME OR FAMILY : PAINT PRODUCT  
 FORMULA : NOT APPLICABLE  
 TRADE NAME : 56 6402G AM EQ/IMP RED OX PRM  
 REVISION DATE : 10-04-00 DATE PRINTED : 05-21-01

## \*\*\*\*\* SECTION 2: HAZARDOUS INGREDIENTS \*\*\*\*\*

NAME	APPROX WT %				
COMMON(NA):MINERAL SPIRITS	20-25%	TLV TWA	100.00 PPM		
CAS:64742-47-8 CHEMICAL: DISTILLATES (PETROLEUM), HYDROTREATED LIGHT		TLV STEL	NOT ESTAB		
		OSHA PEL	500.00 PPM		
		CEILING	NOT ESTAB		
		RECOMND	NOT ESTAB		
*COMMON(1):ETHYLBENZENE	.1-1.0%	TLV TWA	100.00 PPM		
CAS:100-41-4 CHEMICAL: BENZENE, ETHYL		TLV STEL	125.00 PPM		
		OSHA PEL	100.00 PPM		
		CEILING	NOT ESTAB		
		RECOMND	NOT ESTAB		
COMMON(NA):TALC	20-25%	TLV TWA	10.00 MG/CU M		
CAS:14807-96-6 CHEMICAL: SILICIC ACID,MAGNESIUM SA LT (1:1)		TLV STEL	NOT ESTAB		
		OSHA PEL	2.00 MG/CU M		
		CEILING	NOT ESTAB		
		RECOMND	NOT ESTAB		
COMMON(2):SILICON DIOXIDE	.1-1.0%	TLV TWA	0.10 MG/CU M		
CAS:14808-60-7 CHEMICAL: QUARTZ		TLV STEL	NOT ESTAB		
		OSHA PEL	0.10 MG/CU M		
		CEILING	NOT ESTAB		
		RECOMND	NOT ESTAB		
COMMON(NA):TALC	5-10%	TLV TWA	10.00 MG/CU M		
CAS:14807-96-6 CHEMICAL: SILICIC ACID,MAGNESIUM SA LT (1:1)		TLV STEL	NOT ESTAB		
		OSHA PEL	2.00 MG/CU M		
		CEILING	NOT ESTAB		
		RECOMND	NOT ESTAB		
*COMMON(NA):BARIUM METABORATE	< 5%	TLV TWA	1.00 MG/CU M		
CAS:13701-59-2 CHEMICAL: BORIC ACID (HBO2), BARIUM SALT		TLV STEL	NOT ESTAB		
		OSHA PEL	NOT ESTAB		
		CEILING	NOT ESTAB		
		RECOMND	NOT ESTAB		
COMMON(NA):IRON OXIDE	5-10%	TLV TWA	5.00 MG/CU M		
CAS:1309-37-1 CHEMICAL: IRON OXIDE		TLV STEL	NOT ESTAB		
		OSHA PEL	10.00 MG/CU M		
		CEILING	NOT ESTAB		
		RECOMND	NOT ESTAB		

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

(1) = THIS MATERIAL IS A CARCINOGEN PER IARC  
 (2) = THIS MATERIAL IS A CARCINOGEN PER NTP,IARC

ALL COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH U.S. TSCA CHEMICAL  
 SUBSTANCE INVENTORY REQUIREMENTS.

## \*\*\*\*\* SECTION 3: PHYSICAL DATA \*\*\*\*\*

BOILING POINT: 315 DEG F. ( 157 DEG C.)  
 VAPOR PRESSURE MM HG AT 68 DEG F. ( 20 DEG C.): 2.0  
 VAPOR DENSITY (AIR = 1.0): 5.1  
 SPECIFIC GRAVITY: 1.34  
 PERCENT VOLATILE BY VOLUME: 44.50  
 EVAPORATION RATE (BUTYL ACETATE = 1): .1  
 SOLUBILITY IN WATER: NO  
 APPEARANCE/ODOR: NORMAL FOR A COATINGS PRODUCT.  
 PH : N.AV  
 COEFFICIENT OF WATER/OIL DISTRIBUTION: N.AV

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

FLASH POINT TCC/PM DEG F : 101  
 FLASH POINT TCC/PM DEG C : 38  
 LOWER EXPLOSIVE LIMIT : 1.00  
 UPPER EXPLOSIVE LIMIT : 6.00  
 AUTO IGNITION - DEG F : N.AV DEG C : N.AV  
 SENSITIVITY TO IMPACT : NONE  
 SENSITIVITY TO STATIC DISCHARGE : N.AV

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:  
 CONTAINS OXIDIZABLE MATERIALS. CONTAMINATED RAGS, WIPES, SAWDUST, ETC.  
 MAY CATCH FIRE SPONTANEOUSLY. STORE WASTE IN WATER-FILLED, CLOSED METAL  
 CONTAINERS UNTIL DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

## \*\*\*\*\* 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 RES-  
 PIRATORY SYSTEM, CAUSING DIZZINESS, HEADACHE, NAUSEA OR RESPIRATORY  
 IRRITATION.

OVEREXPOSURE TO INGREDIENTS IN THIS PRODUCT MAY CAUSE NOSE AND  
 THROAT IRRITATION, LUNG IRRITATION, EYE IRRITATION, SKIN IRRITATION,  
 MUCOUS MEMBRANE IRRITATION.

## DELAYED EFFECTS (CHRONIC):

CONTAINS CRYSTALLINE SILICA. THE IARC HAS DETERMINED THAT CRYSTALLINE  
 SILICA INHALED IN THE FORM OF QUARTZ OR CRISTOBALITE FROM  
 OCCUPATIONAL SOURCES IS CARCINOGENIC TO HUMANS (GROUP 1). REFER TO  
 IARC MONOGRAPH 68 IN CONJUNCTION WITH THE USE OF THESE MATERIALS.  
 THE NTP HAS ALSO DETERMINED THAT CRYSTALLINE SILICA IS A KNOWN  
 HUMAN CARCINOGEN IN THE FORM OF FINE, BREATHABLE PARTICLES.

RISK OF CANCER DEPENDS ON DURATION AND LEVEL OF EXPOSURE. IN COATINGS  
 PRODUCTS, RISK IS DUE PRIMARILY TO INHALATION OF SANDING DUST OR  
 RESPIRABLE PARTICLES IN SPRAY MIST.

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.

CONTAINS ETHYLBENZENE, WHICH HAS BEEN DETERMINED BY NTP TO BE AN  
 ANIMAL CARCINOGEN WITH NO KNOWN RELEVANCE TO HUMANS. IARC HAS  
 CLASSIFIED ETHYLBENZENE AS POSSIBLY CARCINOGENIC TO HUMANS (2B) ON  
 THE BASIS OF SUFFICIENT EVIDENCE OF CARCINOGENICITY IN LABORATORY  
 ANIMALS BUT INADEQUATE EVIDENCE FOR CANCER IN HUMANS.

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

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

SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER.  
CLOTHING: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. THOROUGHLY CLEAN 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, DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. IF AVAILABLE, GIVE SEVERAL GLASSES OF MILK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. 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. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP. AVOID CONTACT WITH EYES.

WASTE DISPOSAL METHOD:  
DISPOSE IN CHEMICAL DISPOSAL AREA OR IN A MANNER THAT COMPLIES WITH LOCAL, STATE, PROVINCIAL 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.

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:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE ABOVE 120 DEG F. ( 49 DEG C.) BASED ON THE PRODUCT FLASH POINT AND VAPOR PRESSURE, SUITABLE STORAGE SHOULD BE PROVIDED IN ACCORDANCE WITH OSHA REGULATION 1910.106/ONTARIO OH&S REGULATION 851 SECTION 22. EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE, INCLUDING FLAMMABLE 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.

\*\*\*\*\* SECTION 9: SPECIAL PRECAUTIONS \*\*\*\*\*CONTINUED\*\*\*\*\*

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; NIOSH-NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH;  
WHMIS-WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION SYSTEM; H-HOURS; HR-HOURS;  
NA-NOT APPLICABLE; 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.  
N.AV-NOT AVAILABLE; N.AP-NOT APPLICABLE; C-CELSIUS; F-FAHRENHEIT

\*\*\*\*\* PREPARED BY SECTION \*\*\*\*\*

PREPARED BY: REGULATORY AFFAIRS DEPT.  
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