

MATERIAL SAFETY DATA SHEET

HARRISON PAINT COMPANY
EXCELSIOR COATINGS DIV
1329 HARRISON AVE SW
CANTON, OH 44706

EMERGENCY PHONE: 330/455-5125
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SECTION I – PRODUCT IDENTIFICATION

197-9040 CLEAR
EPOXY ESTER RESIN FINISH

SECTION II – HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT. % IS LESS THAN	(TLV-TWA)	OCCUPATIONAL EXPOSURE LIMITS (TLV-STEL)	(PEL)	VAPOR PRESSURE MgHg 20C	KNOWN OR SUSPECTED CARCINOGEN	SEC 313
COBALT CARBOXYLATE	MIXTURE	0.2	0.05 MG/M3 (AS Co FUME & DUST)	NO INFO	0.05 MG/M3 (AS Co FUME & DUST)	N/A	YES*	YES
MINERAL SPIRITS	8052-41-3	65.0	100 PPM	100 PPM	100 PPM	2.0	NO	NO

* INGESTION OF SIGNIFICANT AMOUNTS OF COBALT HAS BEEN REPORTED TO HAVE THE POTENTIAL FOR CAUSING BLOOD, HEART, THYROID, AND PANCREAS DAMAGE. IARC HAS CLASSIFIED COBALT AND COBALT COMPOUNDS AS GROUP 2B CARCINOGENS. GROUP 2B CARCINOGENS ARE POSSIBLY CARCINOGENIC TO HUMANS.

THIS PRODUCT CONTAINS ONE OR MORE MATERIALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND THE COMMUNITY RIGHT-TO-KNOW ACTS OF 1986 AND OF 40 CFR 372.

SECTION III - PHYSICAL DATA

Boiling Range:	315 – 390 F	Vapor Density:	Is heavier than air
Odor:	Typical Solvent	Evaporation Rate:	Is slower than ether
Appearance:	Lt. Amber Liquid	Solubility:	Negligible
Volatile by Weight:	60%	Product Density:	7.3 lbs./gal. (U.S.)
Volatile by Volume:	67%		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flammability Classification:

OSHA – COMBUSTIBLE LIQUID – CLASS II
DOT - COMBUSTIBLE LIQUID

FLASH POINT: 100 F. LEL: 0.7%
(TAGLIABUE CLOSED CUP) UEL: 6.0%

EXTINGUISHING MEDIA: CARBON DIOXIDE DRY CHEMICAL FOAM

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UNUSUAL FIRE AND EXPLOSION HAZARDS: WATER MAY BE USED TO COOL CLOSED CONTAINERS NOT INVOLVED IN THE FIRE ITSELF TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT.

SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD WEAR NIOSH/OSHA APPROVED PRESSURE DEMAND, SELF-CONTAINED BREATHING APPARATUS. SPILL WILL MAKE SURFACE SLIPPERY - EXERCISE DUE CAUTION.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE: **EYES:** IRRITANT, DISCOMFORT, BLURRED VISION, BURNING. **SKIN:** PROLONGED OR REPEATED SKIN CONTACT MAY RESULT IN IRRITATION, SENSITIZATION AND DERMITITIS. **INGESTION:** MAY CAUSE NAUSEA AND VOMITING. INHALATION OF FUMES MAY RESULT IN DIZZINESS, HEADACHE, BLURRED VISION OR UNCONSCIOUSNESS. 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 PRONE TO AGGRAVATION BY EXPOSURE: PRE-EXISTING SENSITIVITY TO SOLVENTS CAN CAUSE A HEIGHTENED REACTION BY EXPOSURE TO THIS PRODUCT. ALLERGY AND SKIN CONDITIONS.

PRIMARY ROUTE (S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES: **SKIN:** WASH THOROUGHLY WITH SOAP AND WATER. **EYES:** FLUSH WITH LARGE AMOUNTS OF COOL WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN. **INHALATION:** REMOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. IF SPONTANEOUS VOMITING OCCURS, TAKE STEPS TO PREVENT ASPIRATION INTO THE LUNGS. **INGESTION:** GET MEDICAL ATTENTION IMMEDIATELY. DO NOT INDUCE VOMITING. ASPIRATION OF MATERIAL INTO LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS, WHICH CAN BE FATAL.

SECTION VI - REACTIVITY DATA

STABILITY:	THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR UNDER NORMAL CONDITIONS.
HAZARDOUS DECOMPOSITION PRODUCTS:	COMBUSTION MAY YIELD CARBON MONOXIDE, CARBON DIOXIDE, AND VARIOUS HYDROCARBONS.
CONDITIONS TO AVOID:	DO NOT STORE OR USE NEAR OPEN FLAMES OR IN AREAS OF HIGH TEMPERATURE.
INCOMPATABILITY:	STRONG OXIDANTS, ALKALIS, CHLORINE, STRONG ACIDS, SODIUM HYPOCHLORITE.

SECTION VII - SPILL OR LEAKAGE PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: USE ABSORBANT MATERIAL SUCH AS CLAY OR VERMICULITE TO CLEAN UP. SWEEP UP POWDER AND PUT IN DOT APPROVED WASTE CONTAINERS.

WASTE DISPOSAL METHOD: CHECK COMPANY'S POLICY ON DISPOSAL. DISPOSAL SHOULD BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATOR PROTECTION: WHEN SPRAYING OR SANDING, WEAR A VAPOR/MIST AND PARTICULATE RESPIRATOR (NIOSH APPROVED) TO KEEP AIRBORNE CONCENTRATIONS BELOW APPLICABLE LIMITS. IN A FIRE OR CONFINED AREA, USE SELF-CONTAINED BREATHING APPARATUS (NIOSH APPROVED).

VENTILATION: SUFFICIENT VENTILATION IN VOLUME AND PATTERN SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW APPLICABLE EXPOSURE LIMITS.

PROTECTIVE GLOVES: USE IMPERMEABLE GLOVES.

EYE PROTECTION: CHEMICAL GOGGLES WITH SIDE SHIELDS OR FACE SHIELD RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT: IMPERVIOUS BOOTS AND APRON TO MINIMIZE SKIN CONTACT.

HYGIENIC PRACTICES: WASH HANDS BEFORE AND AFTER USE.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: DO NOT LET PERSONNEL USE WITHOUT PROPER SAFETY HAZARD TRAINING. KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP CLOSURES TIGHT AND CONTAINERS UPRIGHT TO PREVENT LEAKAGE. DO NOT STORE NEAR HEAT, SPARKS, OR FLAMES.

OTHER PRECAUTIONS: ALL CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER OR RETURNED TO A DRUM RECONDITIONER. DO NOT WELD OR FLAME CUT DRUMS.

SECTION X - HMIS RATINGS

HEALTH: 2

FLAMMABILITY: 2

REACTIVITY: 0

SECTION XI - STATE REGULATIONS

CALIFORNIA PROPOSITION 65: **WARNING:** THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM.

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

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