

MATERIAL SAFETY DATA SHEET

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INFORMATION: (330) 455-5125
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REPLACES: 7/2/04

SECTION I – PRODUCT IDENTIFICATION

2 Component Waterborne Epoxy – Part A

197-8002 White 197-8007 Red 197-8010 Green 197-8013 Yellow
197-8003 Light Gray 197-8008 Black 197-8011 Handicap Blue 197-8023 Sand
197-8004 Beige 197-8009 Azure Blue 197-8012 Dark Gray 197-8042 Safety Red

SECTION II – HAZARDOUS INGREDIENTS

Chemical Name	CAS #	Weight %	TLV (TWA)	TLV (STEL)	PEL	Vapor Pressure (mm Hg)	Known or Suspected Carcinogen	Section 313 Reportable
Aliphatic Polyamine	68410-23-1	15-25	Not Est.	Not Est.	Not Est.	N/A	No	No
Isopropyl Alcohol	67-63-0	2-8	200 ppm	400 ppm	400 ppm	33 @ 68F	No	Yes
2-Propoxyethanol	2807-30-9	2-6	Not Est. (25 ppm Recommend)	Not Est.	Not Est. (25 ppm Recommend)	3 @ 68F	No	No
Acetic Acid	64-19-7	<2	10 ppm	15 ppm	10 ppm	11 @ 68F	No	No
Ethylene Glycol	107-21-1	<2	50 ppm (ceiling)	100 ppm (ceiling)	50 ppm (ceiling)	0.06 @68F	No	Yes
Diethylene Glycol	111-46-6	<2	Not Est.	Not Est.	Not Est.	0.01 @68F	No	Yes
Titanium Dioxide	13463-67-7	0-30	10 mg/M3	N/A	15 mg/M3 (total dust)	N/A	No	No
Silicon Dioxide – Silica	14808-60-7	<1	0.1 mg/M3 (resp. dust)	N/A	10 mg/M3 (resp. dust) %SiO2+2	N/A	Yes	No
Iron Oxide (Red)	1332-37-2	<8	5 mg/M3	N/A	10 mg/M3 (fume)	N/A	No	No
Iron Oxide (Yellow)	51274-00-1	<5	10 mg/M3	N/A	15 mg/M3	N/A	No	No
Carbon Black	1333-86-4	<2	3.5 mg/M3	N/A	3.5mg/M3	N/A	No	No
Magnesium Silicate	14807-96-6	<5	2 mg/M3	N/A	2 mg/M3	NA	No	No
Calcium Carbonate	1317-65-3	<10	10 mg/M3	N/A	15 mg/M3 (total dust) 5 mg/M3 (resp. dust)	N/A	No	No

SECTION III – PHYSICAL DATA

Boiling Range (°F)	Appearance/Odor	VOC (grams/liter)	Density (lbs/gal)	Volatile Weight (%)	Volatile Volume (%)	Vapor Density	Evaporation Rate	Solubility in Water
176-212	Viscous Liquid / Mild Alcohol	<250 (Blended with Part B)	9.6 +/- 1.0	55-75	70-78	Heavier than air	Slower than ether	Miscible

SECTION IV – FIRE & EXPLOSION HAZARD DATA

Flash Point (°F)	Classification (OSHA)	Classification (DOT)	LEL (%)
130	Combustible Liquid – Class II	Combustible Liquid	1.6

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam

Unusual Fire & Explosion Hazards: Vapors are heavier than air and may travel along ground or may be moved by ventilation and ignited by pilot lights, sparks, flame, or other ignition sources at some distance from the handling point. Closed containers may build pressure and explode if exposed to extreme heat.

Special Firefighting Procedures: Water may be used to cool containers not involved in the fire to reduce pressure buildup. Firefighters should use self-contained breathing apparatus with full face-piece operated in pressure demand or other positive pressure mode. Spilled material will be slippery.

SECTION V – HEALTH HAZARD DATA

Effects of Overexposure:

Eyes: Severe irritation, redness, burning, tearing, blurred vision.

Skin: Prolonged or repeated skin contact may cause irritation, defatting, dermatitis.

Inhalation: Respiratory tract irritation, dizziness, headache, blurred vision, weakness, fatigue. In severe cases, unconsciousness and/or asphyxiation may occur. 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. Long term overexposure to talc and/or silica can cause severe lung damage. IARC has determined that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group I – Carcinogenic to humans). Ethylene Glycol can be absorbed through skin and can cause central nervous system effects, liver and kidney damage. May cause blood and/or blood organ damage.

Ingestion: May cause nausea, vomiting, diarrhea.

Medical Conditions Prone to Aggravation: Respiratory tract sensitivity, allergies, skin conditions.

Primary Route(s) of Entry: Inhalation, Skin, Ingestion.

Emergency & First Aid Procedures:

Eyes: Immediately flush with large amounts of water for at least 10 minutes. Get medical attention immediately.

Skin: Wipe off excess and then wash thoroughly with soap and water. Consult a physician if irritation persists.

Inhalation: If affected, remove person to fresh air and consult a physician. If breathing is difficult, administer oxygen and get medical attention. If breathing has stopped, give artificial respiration and get medical attention immediately. Keep person warm and quiet.

Ingestion: Get medical attention immediately. DO NOT INDUCE VOMITING unless directed to do so by qualified medical personnel. Aspiration of material into lungs can cause chemical pneumonitis, which can be fatal. Keep person warm and quiet.

SECTION VI – REACTIVITY DATA

Stability: Stable under normal storage conditions.

Hazardous Polymerization: Will not occur under normal conditions.

Hazardous Decomposition Products: Burning may yield carbon monoxide, carbon dioxide, oxides of nitrogen, and various hydrocarbons.

Conditions to Avoid: Do not store in areas of extreme temperature. Do not use near sparks, flame, or other ignition sources.

Incompatibility: Strong acids and alkalis, bleach, strong oxidizers.

SECTION VII – SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Small spills may be absorbed on vermiculite, clay, or other absorbent. Sweep up powder and put in DOT approved waste containers. Large spills should be diked to contain the material and the liquid pumped into a salvage tank. Protect sewers, waterways, and environmentally sensitive areas from runoff.

Waste Disposal Method: Check company's policy on disposal. Disposal should be in accordance with all local, state, and federal regulations.

SECTION VIII – SAFE HANDLING & USE INFORMATION

Respirator Protection: None normally required. Wear a vapor/mist and/or particulate respirator (NIOSH approved) if airborne concentrations are at or above applicable limits (see section II). In poorly ventilated or confined spaces, use a fresh air supplying respirator or self-contained breathing apparatus (NIOSH approved).

Ventilation: Sufficient ventilation in volume and pattern should be provided to keep air contamination below applicable limits (see section II).

Protective Gloves: Impermeable gloves.

Eye Protection: Chemical goggles or face shield.

Other Protective Equipment: Long sleeves, impervious boots and apron to protect from contact.

Hygienic Practices: Wash hands with soap and water after use and before eating, smoking, or using restroom.

SECTION IX – SPECIAL PRECAUTIONS

Precautions to be taken in Handling & Storage: Keep closures tight and containers upright to prevent leakage. Do not store in high heat or allow material to freeze. Recommend storing in areas where temperature is kept at 60-80°F. Do not let personnel use without proper hazard safety training. KEEP OUT OF REACH OF CHILDREN. Do not store near sparks, flame or other sources of ignition.

Other Precautions: All containers should be disposed of in accordance with local, state, and federal regulations. Do not reuse containers. Empty containers will contain residue that that may be hazardous (see sections above).

SECTION X- HMIS RATING

Health (H): 2 Flammability (F): 2 Reactivity (R): 0

SECTION XI – STATE REGULATIONS

California: Proposition 65: **WARNING:** This product contains a chemical(s) known to the state of California to cause cancer, birth defects, or other reproductive harm.

All of this information must be included in all MSDS's that are copied and distributed for this material.

The data and recommendations presented herein are based upon a review of Harrison Paint Company files, published MSDS's and standard toxicological reference sources. Harrison Paint Company makes no guarantee or warranty, either express or implied, as to the accuracy or completeness of these data and recommendations.