

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Trade Name: **Epoxy Putty**

Part Numbers:

044010	044100	044160-D	044181-D	044217
044011	044150-12	044162-D	044182-120	044220
044015	044150-120	044163-D	044205	044223
044020-12	044150-D	044165	044207	044228
044020-288	044152-12	044165-12	044208	044230
044025	044153-12	044165-120	044209	044235
044030-12	044153-D	044170-12	044210	Premier 441130
044030-288	044155-12	044170-120	044211	Premier 441131
044030-C	044155-120	044170-D	044212	
044040-12	044155-D	044175-120	044215	
044040-288	044160-120	044176-120	044216	

Product Use: Putty for plumbing, electrical, auto and home repairs.
Formula: See Section 3.
Synonyms: All-purpose adhesive.
Firm Name & Mailing Address: William H. Harvey Company
4334 South 67th Street
Omaha, NE 68117-1019 <http://www.wmharvey.com>
Emergency Phone Numbers: For chemical transportation emergencies ONLY, call CHEMTREC at (800)424-9300. Outside the U.S. (703)527-3887.
Information
Telephone Number: (800)228-9681
Prepared By: Corporate Director – Safety and Environmental Compliance
Contact: Information telephone number – (800) 228-9681
Preparation Date: May 10, 2007

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview:

Variable color putty with a slight mercaptan odor. May cause irritation to the eye and skin. Potential skin sensitizer. May be harmful if swallowed.

Potential Health Effects:

Skin: Irritation and possible sensitization.
Eyes: Irritation, including redness burning, tearing, and blurred vision.
Inhalation: Product contains a mercaptan, which may be irritating on inhalation. Contains crystalline silica, which causes cancer. However, it is bound in product matrix.
Ingestion: No data. May cause irritation to the mouth and throat, nausea, vomiting and diarrhea.

OSHA Hazard Classification: Irritant, possible sensitizer

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS:</u>	<u>% wt/wt:</u>	<u>CAS NUMBER:</u>
Aluminum Oxide	<5%	1344-28-1
Aminoethylpiperazine	1 – 10%	140-31-8
Crystalline Silica	<1%	14808-60-7
Epoxy Resin	5 – 20%	25068-38-6
Glass Oxide	15 – 30%	65997-17-3
Polymercaptan Curing Agent	5 – 15%	*

An asterisk (*) indicates a substance whose identity is a trade secret of our supplier and is unknown to us.

SECTION 4 FIRST AID MEASURES

CALL 1-877-740-5015

Skin:	Remove contaminant and contaminated clothing. Wash thoroughly with soap and water. Call a physician if irritation develops.
Eyes:	Remove contact lenses if any. Flush eyes with water for 15 minutes. Get medical attention if irritation develops.
Inhalation:	Move to fresh air.
Ingestion:	NEVER give anything by mouth if victim is unconscious. Have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call the Poison Control Center at 1-877-740-5015.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media:	Small Fires: Use dry chemical, CO2, water, or foam extinguisher. Large Fires: Evacuate area and call Fire Department immediately.
Special Fire Fighting Procedures:	Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.
Unusual Fire and Explosion Hazards:	None known.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures::	Pick up released product with appropriate implements and return to original container if reusable. If not reusable, place in appropriate containers for disposal. Appropriate personal protective equipment cited in Section 8 should be worn during all clean-up operations.
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SECTION 7 HANDLING AND STORAGE

Handling:	Avoid contact with eyes. Avoid contact with skin and clothing. Do not take internally. Avoid breathing vapors or fumes. Use only with adequate ventilation. Wash thoroughly after handling. Keep container closed when not in use. Keep out of reach of children. If sanded after curing, take appropriate precautions against inhalation of dust particles.
Storage:	Store in original, labeled container.
Other:	None.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>INGREDIENTS:</u>	<u>CAS NUMBER:</u>	<u>ACGIH TLV TWA</u>	<u>OSHA PEL TWA</u>
Aluminum Oxide	1344-28-1	10 mg/m ³	15 mg/m ³
Crystalline Silica	14808-60-7	0.05 mg/m ³ (Respirable fraction)	10 mg/m ³ / (%SiO ₂ +2) (Respirable fraction)

Ventilation:	Good general ventilation (equivalent to outdoors) should be adequate for normal use. If odor is disagreeable, use local exhaust.
Respiratory Protection:	Not needed in normal use with proper ventilation.
Skin Protection:	Wear polyethylene gloves for prolonged use. Launder soiled clothing before re-use.
Eye Protection:	Safety glasses with sideshields.
Other:	Eye wash should be available.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Flashpoint / Method:	> 500 Degrees F (260 Degrees C) / TCC.
Flammability:	LEL = Not determined, UEL = Not determined.
Boiling Point:	Not determined.
Melting Point:	Not determined.
Vapor Pressure:	Nil at 78 Degrees F.
Vapor Density:	(Air = 1) Greater than 1.
Volatile Components:	Not determined.
Solubility In Water:	Negligible.
pH:	9.5 (5% solution or slurry in water).
Specific Gravity:	1.9 @ 20 Degrees C.
Evaporation Rate:	Not applicable.
Appearance:	Metallic putty.
Odor:	Slight mercaptan odor.
Will Dissolve In:	Not determined.
Material Is:	Putty.

SECTION 10

STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	Open flame or excessive heat.
Hazardous Decomposition Products:	Oxides of carbon, sulfur, and nitrogen. Aldehydes, ketones, and other unknown organic compounds.
Incompatibility/ Materials To Avoid:	Strong oxidizing agents, strong mineral or organic bases, acids.
Hazardous Polymerization:	Will not occur.

SECTION 11

TOXICOLOGICAL INFORMATION

Inhalation:	No data available. Not expected to be a hazard.	
Skin:	Contact may cause irritation. Symptoms may be delayed.	
Eye:	Vapors or fumes may cause irritation. Direct contact may cause irritation. Symptoms may be delayed.	
Ingestion:	May cause irritation to the mouth and throat, nausea, vomiting or diarrhea. Symptoms may be delayed.	
Toxicity Data:	Aminoethylpiperazine	Oral LD50 (rat): 2140 mg/kg Dermal LD50 (rabbit): 880 mg/kg
	Epoxy Resin	Oral LD50 (rat): 11.4 g/kg Dermal LD50 (rabbit): >20 ml/kg
Sensitization:	The epoxy resin has been shown to cause sensitization in laboratory animals.	
Carcinogenicity:	Crystalline silica is listed as a Group 1 carcinogen by IARC. It is listed as A2 – Suspected Human Carcinogen by ACGIH.	
Mutagenicity:	None of the components have been found to be mutagenic.	
Reproductive	None of the components are known to cause adverse reproductive effects.	
Toxicity:		
Medical Conditions	Persons with pre-existing skin or lung disorders may be at increased risk from	
Aggravated By	exposure to this product.	
Exposure:		

SECTION 12

ECOLOGICAL INFORMATION

No data available.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal:	Dispose of in accordance with federal, state, and local regulations. It is the responsibility of the end-user to determine at the time of disposal of the product.
EPA Hazardous Waste Number:	None.
EPA Hazard Waste Class:	None.

SECTION 14

TRANSPORT INFORMATION

DOT

Proper Shipping Name:	Not regulated.
Hazard Class/Packing Group:	Not applicable.
UN/NA Number:	Not applicable.
Hazard Labels:	Not applicable.

IMDG

Proper Shipping Name:	Not regulated.
Hazard Class/Packing Group:	Not applicable.
UN/NA Number:	Not applicable.
Hazard Labels:	Not applicable.

2004 North American Emergency Response Guidebook Number: None.

SECTION 15 REGULATORY INFORMATION

Hazard Category for Section 311/312: Acute Health, Chronic Health

Section 302 Extremely Hazardous Substances (TPQ): This product does not contain chemicals regulated under SARA Title III Section 302.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

Chemical	CAS #	% wt
Aluminum Oxide	1344-28-1	<5%

CERCLA 103 Reportable Quantity: This product does not contain chemicals regulated under CERCLA.

California Proposition 65: Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations. This product contain crystalline silica, which is regulated under California Proposition 65, however, it is not expected to release airborne particles of respirable size under normal use.

TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

Canadian WHMIS Classification: Class D, Division 2, Subdivision B; D2A
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16 OTHER INFORMATION

NFPA and HMIS:

NFPA Hazard Signal	Health: 1	Flammability: 1	Reactivity: 0	Special: None
HMIS Hazard Signal:	Health: 1*	Flammability: 1	Reactivity: 0	PPE: B

Disclaimer:

The information in this MSDS was obtained from sources we believe to be reliable. However, the information is provided by the William H. Harvey Company without any warranty, express or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable. Users should make their own investigations to determine the suitability of the information or products for their particular purpose.

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