

MATERIAL SAFETY DATA SHEET



One Omega Drive
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MSDS-0366
Epoxy Resin Adhesive
Rev. Date 10/05
Supersedes: 6/09/94

SECTION 9: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Containers should be stored in a cool, dry, well-ventilated area away from flammable materials and sources of heat. Exercise caution to prevent damage to or leakage from containers. Ground all transfer equipment. Hold bulk storage under a nitrogen blanket.

VALVE CONNECTION: N/A

OTHER PRECAUTIONS: Use good hygienic practices. Remove and destroy contaminated clothes. Precautionary labeling: CORROSIVE MATERIAL. STRONG BASE.

" SECTION NOTES "

HMIS RATING:	HEALTH:	2
	FLAMMABILITY:	1
	REACTIVITY:	1
	SPECIAL HAZARDS:	0
NFPA RATING:	HEALTH:	2
	FLAMMABILITY:	1
	CONTACT:	1
	SPECIAL HAZARDS:	0

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SECTION 1: IDENTIFICATION

PRODUCT (TRADE) NAME: Epoxy Resin Adhesive*

CHEMICAL FAMILY: Epoxy Resin

TRADE NAME SYNONYMS: Bipheno A/Epichlorohydride Condensate

SUPPLIER: OMEGA Engineering, Inc.
P. O. Box 4047
Stamford, CT 06907

TELEPHONE: (203) 359-1880

SHIPPING NAME (UN NUMBER PER TRANSPORTATION AUTHORITY):
Corrosive Liquid NOS; Hazard Class 8; UNNA # UN1760.

*OMEGA Part No. 0-88-3A

SECTION 2: HEALTH AND HAZARD DATA

MIXTURES OF LIQUIDS AND GASES	CAS Number	
Bipheno A/Epichlorohydride Condensate	2428-68-6	
Hazardous Ingredients/Identify Information	%	TLV (units)
Butyl Glycidyl Ether	2-3	50 ppm

SECTION 3: PHYSICAL DATA

BOILING POINT (°F): N/A

MELTING POINT (°F): N/A

SPECIFIC GRAVITY (H₂O = 1): 2.0

VAPOR PRESSURE (mm Hg): N/A

PERCENT VOLATILE BY VOLUME (%): 3

VAPOR DENSITY (Air = 1): N/A

EVAPORATION RATE (Ethyl ether = 1): N/A

SOLUBILITY IN WATER: None

MATERIAL AT NORMAL CONDITION: Liquid

EXPANSION RATIO (LIQUID TO GAS): N/A

VISCOSITY: >10,000 cps

APPEARANCE AND ODOR: Black liquid with a slight odor.

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SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >355°F

FLASH POINT (METHOD USED): N/A

FLAMMABILITY LIMITS IN AIR (% BY VOL): LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: If not leaking, keep exposed containers cool with water spray to prevent rupture. High-pressure water may spread product from broken containers, increasing contamination or fire hazard. Prevent human exposure to fire, smoke, fumes, or combustion products; evacuate non-essential personnel. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARD: N/A

SECTION 5: HEALTH AND HAZARD DATA.

THRESHOLD LIMIT VALUE: Trace amounts of epichlorohydrin have a TLV of 2 ppm.

UNUSUAL CHRONIC TOXICITY: N/A

CARCINOGENICITY: N/A

ROUTES OF EXPOSURE: Principally skin contact and inhalation of vapors.

EFFECTS OF OVEREXPOSURE: Inhalation can cause respiratory irritation. Prolonged skin contact can cause dermatitis and severe burns. Ingestion may produce abdominal pain or diarrhea.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N/A

EMERGENCY AND FIRST AID PROCEDURES.

EYE CONTACT: Immediately flush with large amounts of water for 15 minutes. Hold eyelids apart to assure a thorough flushing. Do not attempt to neutralize any chemical. Obtain medical attention as soon as possible.

SKIN CONTACT: Flush affected areas with water for 15 minutes. Remove any contaminated clothing or shoes. Wash or discard clothing. Seek medical attention if irritation develops.

INHALATION: Remove from area. Seek medical attention if breathing is difficult. Oxygen may be delivered upon the advice of a physician. If not breathing, give artificial (mouth-to-mouth) respiration.

INGESTION: Do not induce vomiting. Give several glasses of water. If vomiting occurs, give more fluid. Have physician determine if condition of patient will permit evacuation of stomach.

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SECTION 6: REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: High temperatures (can auto ignite at 572°F).

INCOMPATIBILITY (MATERIALS TO AVOID):

Acids, strong oxidants, halogenated organic compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen oxides (when burned).

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: N/A

SECTION 7: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Soak up liquid with a suitable absorbent, such as sawdust, clay, or oil absorber. Sweep up absorbed material and place in a chemical waste drum for disposal. Wash up area with detergent and water and flush area with water. Large spills should be diked and pumped into a drum for salvage or disposal.

WASTE DISPOSAL METHOD: Material that cannot be used should be disposed of in an EPA-authorized facility. Dispose of empty containers according to applicable regulations under the Resource Conservation and Recovery Act.

SECTION 8: SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION: If adequate ventilation is not available and vapor is being generated, use NIOSH-approved organic vapor respirators. If a higher level of protection is needed, a positive pressure air supply respirator is recommended.

VENTILATION: General mechanical ventilation is suggested in a closed area; local exhaust may be necessary for some operations.

PROTECTIVE GLOVES: Plastic or rubber gloves.

EYE PROTECTION: Chemical splash goggles.

OTHER PROTECTIVE EQUIPMENT: Protective apron/coveralls or body suit. Safety shower and eye wash should be located in the immediate work area.