

Material Safety Data Sheet

BLUE OX™ EP 540

ADHESIVE®



TELEPHONE 715-832-4557

1. Product Information

Product Name EP540
Proper Shipping Name NA
Product Class Modified Epoxy Resin
U.S.D.O.T. Hazard Class NA
U.S.D.O.T. Hazard Number NA
U.S.D.O.T. Label None
HMIS CODES: Health 2 Flammability 1 Reactivity 0
Hazard Ratings: 4 = Severe 3 = Serious 2 = Moderate 1 = Slight 0 = Minimal

2. Hazardous Ingredients

Ingredients	CAS#	TLV**	Percent*
Copolymers of Diglycidyl Ethers of Bisphenol A	25085-99-8	NE	95%-60%
Silicone Dioxide	67762-90-7	NE	65%-5%

*Major = Over 25%, Minor = 6%-25%, Trace = Under 6%, Residue = Unknown % Residue Possible

**TLV as established by ACGIH and or OSHA Standard

*** If no components are listed then this material contains nonhazardous substances according to 29CFR1910.1200.

3. Physical and Chemical Properties

Physical State Liquid
Color Grey
Specific Gravity 1.53
LBS/Gallon 12.745
Solubility in Water Partial

4. Fire and Explosion Data

Flash Point >200°F (CC)
Flammability Classification Combustible
Extinguishing Media: Foam, CO2, Dry Chemical, Water

Special Fire Fighting Procedures

Unusual Fire and Explosion Hazards

Full emergency equipment with self-contained breathing apparatus should be worn. During a fire irritating, toxic gases (see Reactive Data) and smoke are present from decomposition/combustion. Closed container may explode when exposed to extreme heat. Solid residue will support combustion when water has evaporated.

5. Health Hazards Data

Effects of Over Exposure **Acute**

Eyes: Can cause eye irritation.
Skin: Can cause skin irritation. Repeated or prolonged exposure may cause sensitization
Ingestion: May cause nausea, vomiting or other signs of illness.
Inhalation: Has potential to cause nausea and respiratory tract irritation when heated to high temp.
Chronic: Unknown

6. First Aid Procedures

Eye Contact Flush immediately with clean, lukewarm water (low pressure) for at least 15 minutes while holding eye lids open. Obtain medical attention immediately.
Skin Contact Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash contaminated clothing before reuse. Contact physician if irritation occurs.
Inhalation Move to fresh air. Administer oxygen or artificial respiration as needed. Obtain medical attention.
Ingestion Induce vomiting only on the advise of a physician. Treat Symptomatically. CONSULT PHYSICIAN IMMEDIATELY. Do not give anything by mouth to an unconscious person.

7. Special Protection Information.

Eye Protection	Liquid chemical goggles or full-face shield. Contact lenses should not be worn.
Skin Protection	Chemical resistant gloves (natural latex and neoprene recommended). Cover as much of the exposed skin area as possible with appropriate clothing. If skin creams are used, keep the area covered by the cream to a minimum.
Ventilation and Respiratory Protection	Exhaust ventilation sufficient to keep airborne concentrations of the hazardous constituents below TLV or other appropriate exposure limit must be utilized. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination. Curing ovens must be ventilated to prevent the build up of explosive atmospheres and to prevent off gases from entering the work place. In addition, a respirator that is recommended or approved for use in organic vapor containing environments (air purifying or fresh air supplied) may be necessary. In spray applications an organic vapor/particulate respirator or air supplied unit is necessary. Consider the type of application and environmental concentrations. Take into account other materials being used concurrently. Observe OSHA regulations for respiratory use (29CFR1910.134).
Other	Safety showers and eye wash stations should be easily accessible to the work area. <i>Worker training is important. Follow all label precautions.</i>

8. Reactivity Data

Stability	Stable under normal storage, polymerization will not occur.
Incompatibility/Avoid	Acids, oxidizing materials, aldehydes, keystone and organic halides
Hazardous Decomposition Products by Fire	CO, CO ₂ , Oxides of nitrogen, ammonia and other unknown organic compounds.

9. Spill, Leak and Disposal Procedures

Action to be taken if material is released or spilled	Remove all sources of ignition. Avoid contact with material. Ventilate the area. Equip clean-up crew with appropriate protective equipment. Persons not wearing proper protective equipment should be excluded from the area until cleanup is complete. Dike or impound spilled material and control further spillage if feasible. Notify appropriate authorities if necessary. Cover spill area with sawdust, vermiculite, or other absorbent material; collect material in open containers. Remove containers to safe place and cover. Flush spill area with water.
Waste Disposal Method	Dispose of waste in accordance with Federal, State, and Local regulations.

10. Special Precautions and Storage Data

Avoid skin and eye contact. Avoid breathing vapor, mist of fumes. Ensure that all containers are properly labeled to prevent accidental ingestion or improper disposal. Reseal partly used containers. Wash with soap and water before eating, drinking or using toilet facilities. Store under cool, dry conditions away from open flames and high temperatures. Observe conditions of good industrial hygiene and safe working practice.

11. Regulatory Information

TSCA	All components of this product are registered under the regulations of the Toxic Substance Control Act.
SARA TITLE III (Applicable)	Applicable.