

# 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.

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<b>Eye Protection</b>	Liquid chemical goggles or full-face shield. Contact lenses should not be worn.
<b>Skin Protection</b>	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.
<b>Ventilation and Respiratory Protection</b>	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).
<b>Other</b>	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

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

## 9. Spill, Leak and Disposal Procedures

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<b>Action to be taken if material is released or spilled</b>	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.
<b>Waste Disposal Method</b>	Dispose of waste in accordance with Federal, State, and Local regulations.

## 10. Special Precautions and Storage Data

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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

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