

ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS

1. MATERIAL IDENTIFICATION

Product Name:


ANGSTRÖMBOND® 9320 RESIN

Emergency Phone:

 For product emergencies involving spill, leak, fire, exposure, or accident call CHEMTREC at (800) 424-9300. For all other inquiries call **Fiber Optic Center™, Inc.** at (800) 473-4237.

2. COMPOSITION
Exposure Limits

Hazardous Components	CAS No.	Percent	ACGIH TLV-TWA		OSHA PEL	
Diglicidyl Ether Bisphenol A epoxy resin	NA	NA	NE		NE	
Reactive diluent	NA	NA		NE		NE

Abbreviations: N.E. = Not Established

3. HEALTH HAZARDS IDENTIFICATION
Primary Routes of Exposure: Eyes: Yes Skin: Yes Inhalation: Yes

Eye Contact: Irritating to the eyes. Can cause injury.

Skin Contact: Irritating to the skin and mucous membranes. Can cause sensitization.

Inhalation: irritating to respiratory system.

Ingestion: Harmful if swallowed

4. FIRST AID MEASURES
Eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Skin: Immediately wash with water and soap and rinse thoroughly.

Inhalation: Supply fresh air and to be sure call for a doctor.

Ingestion: If symptoms persist consult doctor.

5. FIRE FIGHTING MEASURES
FLAMMABLE PROPERTIES

Flash Point:	94°C(201°F)
Explosive Limits:	Not determined
Auto – Ignition Temperature:	Not determined
Hazardous Decomposition Products:	irritant gases/vapors

EXTINGUISHING MEDIA and FIRE FIGHTING INSTRUCTIONS

When sufficiently large quantities are present, firefighters should be equipped with full bunker gear, including a positive pressure, NIOSH approved, self-contained breathing apparatus. Fire-exposed containers may be cooled with water.

Extinguishing Media: CO₂, extinguishing powder or water spray, water spray, alcohol resistant foam

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ADVANCED POLYMERS FOR HIGH TECH APPLICATIONS**6. ACCIDENTIAL RELEASE MEASURES**

Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water. Disposal must be made according to official regulations.

7. HANDLING AND STORAGE

Store in a cool, dry place in tightly closed receptacles. Use only in well ventilated areas. Do not store together with reducing agents, heavy metal compounds, acids or alkalis.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering / Ventilation Controls: General ventilation may be acceptable under most conditions, although local ventilation is required to control exposure whenever vapors, mists, or dusts are generated.

Respiratory Protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer Exposure use respiratory protective device that is independent of circulating air.

Skin Protection: Impervious gloves and protective clothing should be worn as necessary.

Eye Protection: Tightly sealed goggles.

9. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions and use.

Conditions and Materials to Avoid: Reacts with amines.

Hazardous Decomposition Products: irritant gases/vapors

Hazardous Polymerization: Will not occur.

10. PHYSICAL AND CHEMICAL PROPERTIES

Appearance / State: Black liquid
Odor: mild
pH: Not determined
Vap. Pressure (mmHG): Not determined
Vap. Density @20°C(air = 1): 1.100 g/cm³

Boiling Point: 394°F (201°C)
Freezing Point: Not determined
Specific Gravity: 1.2
Solubility in Water: Not miscible or difficult to mix

11. TOXICOLOGICAL INFORMATION

This product is not known to have undergone toxicological testing.

12. ECOLOGICAL INFORMATION

Toxic for fish

Water hazard class 2(self assessment): hazardous for water

Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

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13. TRANSPORTATION INFORMATION

DOT/IATA Proper Shipping Name: Not regulated.

14. REGULATORY INFORMATION**TSCA**

The chemical components of this product are included in the TSCA Chemical Substance Inventory, as required.

Section 311/312 (Specific hazard chemical listings):

Reactive diluent (epoxy functional) Acute health hazard 20-50%

HMIS: Safety: 2 Reactivity: 1 Flammability: 0

Fiber Optic Center™, Inc. urges each customer or recipient of this MSDS to study it carefully in order to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and/or fire prevention, as necessary to use and understand the data contained in this MSDS.

To promote safe handling, customers and recipients should: 1 – notify their employees, agents, contractors, and others whom they know or suspect will use this material or the information in this MSDS and any other information regarding hazards or safety; 2 – furnish this same information to each of their customers for the product; and 3 – request their customers to notify their employees, customers and other users of the product of this information.

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