



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: EP-100™
Component: “A”
Company: Specialty Products, Inc. (SPI)
2410 - 104th St Ct S, Ste D
Lakewood, WA 98499
Phone: 253.588.7101
Toll Free: 800.627.0773
Fax: 253.588.7196

EMERGENCY CONTACT: For Spills, Leaks, Fire or Exposure call **CHEMTREC**
Toll Free: 800.424.9300
International Calls: 703.527.3887
Fax: 913.321.1490

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Name</u>	<u>CAS#</u>	<u>% W</u>
Bisphenol A Diglycidyl Ether Resin	25068-38-6	>40

SECTION 3: HAZARDS IDENTIFICATION

Physical State: Liquid.

Odor: Moderate.

OSHA/HCS status: Not Regulated

Emergency Overview: **WARNING**
Harmful by inhalation. Irritating to eyes and respiratory system. May cause sensitization by inhalation and skin contact. This product is a respiratory irritant and potential respiratory sensitizer. Repeated inhalation of vapor or aerosol at levels above the occupational exposure limit could cause respiratory sensitization. A hyper-reactive response to even minimal concentrations of diisocyanates may develop in sensitized persons. The onset of the respiratory symptoms may be delayed for several hours after exposure.

Reacts slowly with water to produce carbon dioxide which may rupture closed containers. This reaction accelerates at higher temperatures.

General Information: [Read the entire MSDS for a more thorough evaluation of the hazards.](#)



SECTION 4: FIRST AID MEASURES

Eye Contact:	Flush with large amounts of water for at least 15 minutes. Seek medical attention immediately.
Skin Contact:	Immediately wash contact area with mild soap and water.
Ingestion:	DO NOT induce vomiting. If conscious, give large quantities of water. NEVER give any liquids to an unconscious person. GET medical attention.
Inhalation:	Move to fresh air. Give oxygen if breathing is difficult.
Notes to Physician:	Symptomatic and supportive therapy as needed. Following severe exposure, medical follow-up should be monitored for at least 48 hours.
Effects of Overexposure	ACUTE: Eye contact may cause irritation. Repeated or prolonged skin contact may cause irritation. CHRONIC: No anticipated chronic effects.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point:	>490°F (254°C).
Products of Combustion:	Combustion products may include: carbon oxides (CO, CO ₂), nitrous oxides (NO, NO ₂ ...), hydrocarbons and HCN.
<u>Extinguishing Media</u>	
Suitable:	Water spray, foam, dry chemical, carbon dioxide.
Not Suitable:	None known.
Special Exposure Hazards:	Decomposition and combustion products may be toxic. Avoid breathing vapors, mist or spray. Use with good ventilation. Wash after handling. Store in cool, dry area in closed containers.
Special Protective Equipment for Fire-fighters:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full equipment.
Unusual Fire and Explosion Hazards:	None Known

SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures:	For major spills call CHEMTREC Toll Free 1.800.434.9300 or for International call 1.703.527.3887.
Personal Precautions:	Immediately contact emergency personnel. Evacuate the area. Keep upwind to avoid inhalation of vapors. Clean-up should only be performed by trained personnel. People dealing with major spillages should wear full protective clothing including respiratory protection. Use suitable



	protective equipment (See SECTION 8-Exposure Controls for details).
Environmental Precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for Cleaning Up:	Contain and absorb large spillages onto an inert, non-flammable adsorbent carrier (such as earth or sand). Shovel into open-top drums or plastic bags for further decontamination, if necessary. Wash the spillage area clean with liquid decontaminant. Test atmosphere for MDI. Neutralize small spillages with decontaminant. Remove and properly dispose of residues. (See SECTION 13 for disposal considerations.) Notify applicable government authorities if release is reportable. The CERCLA RQ for 4,4-MDI is 5,000 lbs (see CERCLA in SECTION 15-Regulatory Information).
Preparation of Decontamination Solution:	Prepare a decontamination solution of 0.2-0.5% liquid detergent and 3-8 % concentrated ammonium hydroxide in water (5-10% sodium carbonate may be substituted for the ammonium hydroxide). Follow the precautions on the supplier’s material safety data sheets when preparing and using solution.
Use of Decontamination Solution:	Allow deactivated material to stand for at least 30 minutes before shoveling into drums. Do not tighten the bungs. Mixing with wet earth is also effective, but slower.

SECTION 7: HANDLING AND STORAGE

General:	Store in dry well ventilated area. Handling and storage should be in accordance with Local, State/Provincial or Federal regulations.
Handling:	<u>Before opening this package, read and follow warning labels on all components.</u> Avoid personal contact with the product or reaction mixture. Use only with adequate ventilation to ensure that the occupational exposure limit is not exceeded. The efficiency of the ventilation system must be monitored regularly because of the possibility of blockage. Avoid breathing aerosols, mists and vapors. (See SECTION 8—Exposure Control/Personal Protection for details.) Keep stocks of decontaminate readily available.
Storage:	Keep containers properly sealed and when stored indoors, in a dry and well-ventilated area. DO NOT reseal contaminated containers. Uncontaminated containers, free of moisture, may be resealed only after placing under a nitrogen blanket. DO NOT store in containers made of copper, copper alloys or galvanized surfaces.
Other Precautions:	Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Keep out of the reach of children.
Decontamination Solution:	Keep stocks of decontaminate readily available. (See SECTION 6—Accidental Release Measures for details).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Product Name & Exposure Limits: Biphenol A Diglycidyl

Consult local authorities for acceptable exposure limits.

Preventive Measures: Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace. Medical supervision of all



employees who handle or come in contact with respiratory sensitizers is recommended. Persons with respiratory problems including asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases or recurrent skin eczema or skin allergies should be evaluated for their suitability of working with this product. Once a person is diagnosed as sensitized, no further exposure to the material that caused the sensitization should be permitted.

Engineering Controls:	Use local exhaust ventilation to maintain airborne concentrations below the TVL. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it. For general guidance on engineering control measures refer to the ACGIH current edition of ‘Industrial Ventilation, a manual of Recommended Practice.’ Eyewash fountain and safety shower should be accessible; impervious protective clothing.
Eye Protection:	Chemical safety goggles. If there is a potential for splashing, use a full-faced shield.
Hands Protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Skin Protection:	The following protective materials are recommended: Gloves—neoprene, nitrile rubber, and butyl rubber. Thin latex disposable gloves should be avoided for repeated or long-term use. Use barrier cream on exposed skin. Protective clothing should be selected and used in accordance ‘Guidelines for the Selection of Chemical Protective clothing published by ACGIH.
Respiratory Protection:	When the product is sprayed or heated without adequate ventilation, an approved MSHA/NIOSH positive-pressure, supplied-air respirator may be required. Air purifying respirators equipped with organic vapor cartridges and a HEPA (P100) particulate filter may be used under certain conditions when a cartridge change-out schedule has been developed in accordance with the OSHA respiratory protection standard (29 C.F.R. 1910.134).
Work Hygienic Practices:	Follow the usual precautionary measures for handling chemicals. Keep away from food and beverages. Immediately remove all soiled and contaminated clothing. Avoid contact with eyes, skin and clothing. Wash hands after use. Wash all contaminated clothing and shoes before reuse.
Other Protection:	Consult your supervisor or S.O.P. for special handling instructions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State:	Liquid.
Color:	Clear.
Odor:	Moderate.

Important Health, Safety and Environmental Information

Boiling Point:	>200°C (>392°F).
Melting/Freezing Point:	Not available.
Weight per Gallon	6.63 lbs.
Solubility in Water	Not available.
Flash Point:	>254°C (490°F).

Other Information

Volatile Organic Compounds (VOC):	0 grams/liter
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SECTION 10: STABILITY AND REACTIVITY

Stability & Reactivity:	Stable
Incompatibility with Various Substances:	Strong oxidizing agents.
Hazardous Decomposition or by-Products:	Carbon monoxide, carbon dioxide and aldehydes, ammonia, nitrogen oxides and compounds.
Hazardous Polymerization:	Will not occur under normal conditions.
Conditions of Instability:	Elevated temperatures, strong acids/bases in bulk.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Ingestion:	Low oral toxicity. Ingestion may cause irritation of the gastrointestinal tract.
Inhalation:	This product is a respiratory irritant. Repeated inhalation of vapor or aerosol at levels about the occupational exposure limit could cause respiratory sensitization. The onset of the respiratory symptoms may be delayed for several hours after exposure. A hyper-reactive response to even minimal concentrations of MDI may develop in sensitized persons.
Eyes:	Irritating to eyes.
Skin:	Irritating to skin. Protective clothing including gloves should be worn at all times when handling these chemicals or in maintenance work.

Potential Chronic Health Effects No anticipated chronic effects.

SECTION 12: ECOLOGICAL INFORMATION

Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method:	The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Empty containers should be decontaminated and either passed to an approved drum recycler or destroyed.
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SECTION 14: TRANSPORTATION INFORMATION

EMERGENCY CONTACT: For Spills, Leaks, Fire or Exposure call CHEMTREC
Toll Free: 800.424.9300
International Calls: 703.527.3887
U.S. DOT: Not Regulated

SECTION 15: REGULATORY INFORMATION

United States

This product may meet the definition of hazardous waste under 40 CFR 261. Incinerate according to local or state regulation.

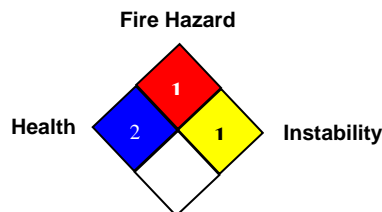
SECTION 16: OTHER INFORMATION

Label requirements: Harmful by inhalation. Irritating to eyes and respiratory system. May cause sensitization by inhalation and skin contact. This product is a respiratory irritant and potential respiratory sensitizer.

HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A.)

Table with 2 columns: Hazard Category and Rating. Health: 2, Fire Hazard: 1, Reactivity: 1

NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A.)



For Your Protection: The information and recommendations in this publication is to the best of our knowledge, reliable. The toxicity and risk characteristics of products made by SPI will necessarily differ from the toxicity and risk characteristics that occur when such products are used with other materials during a manufacturing process.

Preparation Information: This MSDS supersedes ALL previous MSDS versions.

