

**MATERIAL SAFETY DATA SHEET**

Date Prepared: 02/95 Updated: 7-29-99

**JP-146 EPOXY CONSOLIDANT****SECTION 1 - Material Identification**

Product Name: JP-146 Epoxy Consolidant

**SECTION 2 - Ingredients**

Chemical Name	CAS #	%
Component "A"		
Bisphenol A Epichlorohydrin		
Epoxy Resin	025068-38-6	64.3
Butyl Glycidyl Ether	002426-08-6	15.9
Mixed Xylenes	1330-20-7	11.68
Isopropanol	67-63-0	5.15
Ethyl Benzene	100-41-4	2.97
Component "B"		
Diethylenetriamine	111-40-0	70.0
Bisphenol A	80-05-7	30.0

**SECTION 3 - Health Hazards**

HMIS Health Rating 3 Flammability 3 Reactivity 0  
 Eye Contact Moderately Irritating  
 Skin Contact Moderately Irritating - Possible Sensitization  
 Inhalation Due to low volatility, not likely to be inhaled.  
 Ingestion Can cause bleeding in gastrointestinal tract.

**SECTION 4 - First Aid**

Eye Contact - Flush eyes with plenty of water for 15 minutes holding eyelids open. Get medical attention.  
 Skin Contact - Remove product from skin. Flush affected area with water. Remove contaminated clothing and gloves. Follow by washing with soap and water. If irritation persists get medical attention.  
 Inhalation - Remove to fresh air and provide oxygen if breathing is difficult. Get medical attention.  
 Ingestion - Do **NOT** induce vomiting. Administer 3-4 glasses of milk or water. Obtain medical care immediately.

**SECTION 5 - Fire and Explosion Data**

Flash Point Method 156 Deg. F. TCC (Lowest Component)  
 Extinguishing Media - Water fog, CO-2, Dry Chemical or Foam  
 Firefighters should wear butyl rubber boots, gloves and body suit and a self-contained breathing apparatus.  
 Cool fire with water fog.

**SECTION 6 - Reactivity Hazard Data**

Chemical Stability -Stable  
 Conditions and Materials to Avoid - Can react vigorously with strong oxidizing agents, strong Lewis or mineral acids.  
 CAUTION: N-Nitrosamines, many of which are known to be carcinogens, may be formed when the product comes in contact with Nitrous Acid, Nitrites or atmospheres with high Nitrous Oxide concentrations.  
 Hazardous polymerization will not occur.

**SECTION 7 - Spill, Leak and Waste Disposal Information**

Containment techniques - Shut off or remove ignition sources. Construct a dike to prevent spreading  
 Clean-up procedures - Personnel should be equipped with self-contained breathing apparatus and butyl rubber protective clothing. Cover minor spills with sodium bisulfate and reduce vapors. Spray with water. Place in metal containers for recovery or disposal.

**SECTION 7 - Continued**

Other emergency advise - Remove all personnel from downwind of the spill. Prevent spill product from entering streams or drinking water supplies. Notify local health authorities and other appropriate agencies if such contamination should occur.

Waste Disposal - Comply with all Federal, State and Local regulations. Incineration is acceptable and the preferred method of disposal. Incinerate in admixture with fuel equipped with a scrubber to remove Nitrogen Oxides and Carbon Monoxide. Dispose of in an approved landfill if allowed locally.

Environmental Effects - Waste from this product may present long term environmental hazards, thus landfill disposals must be considered less acceptable than incineration.

**SECTION 8 - Personal Protection/Exposure Controls**

Eye Protection - Chemical safety glasses, splash-proof goggles. Contact lenses should not be worn.

Hand Protection - Wear suitable gloves. Nitrile rubber gloves. In emergency situations, wear impermeable gloves with cuffs to prevent spread of material above the wrists.

Respiratory Protection - In poorly ventilated areas, a cartridge mask (NIOSH) approved for organic vapors is recommended under the following conditions: Emergency situations, when product vapor concentration is greater than 20 ppm for a period longer than 15 minutes, during repair and cleaning of equipment, during transfer or discharge and use of product.

Protective Clothing - Long sleeve clothing. Slicker suit. Rubber boots.

Engineering Controls - Adequate general and local exhaust.

Work and Hygienic Practices - Wash at the end of each work shift and before eating, smoking or using the toilet. Launder or discard contaminated clothing. Discard contaminated leather articles including shoes. Examine protective gloves before using. Discard if there is evidence of holes or cracks.

**SECTION 9 - Storage and Handling**

Storage - Keep in room temperature, dry, ventilated storage in closed containers. Keep away from oxidizers, heat or flames. Store in steel containers.

Handling - Avoid contact with skin or eyes. Handle in well ventilated work space. Avoid breathing of vapors.

Other Precautions - Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations (e.g. OSHA).

Do not use sodium nitrite or other nitrosating agents in formulations. Cancer-causing nitrosamines could be formed.

**SECTION 10 - Typical Physical and Chemical Properties**

Physical Form - Lo Viscosity Liquid  
 Color - Clear, Light Amber  
 Odor - Ammoniacal  
 pH - Alkaline

**SECTION 11 - Transportation Information**

DOT NON-BULK SHIPPING NAME - Alkylamines, N.O.S. (diethylenetriamine); Class 8; UN2735; PGIII; Corrosive

Emergency Telephone:  
 PRG, Inc.301-209-2222

**\*MSDS\***  
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