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**SECTION 1: IDENTITY**

Trade Name: **EPICLON 1121N-80M** Product Class: **MEK Sol'n of Epoxy Resin**

Chemical Name: **Bisphenol A type epoxy resin - tetrabromobisphenol A copolymer** CAS No **31942-06-0** % **80**  
**Methyl Ethyl Ketone** CAS No **78-93-3** % **20**

**SECTION 2: HAZARDOUS INGREDIENTS**

Hazardous Components	%	OSHA PEL	ACGIH TLV	Other Limits	CAS No
Methyl ethyl ketone	20	200 ppm	200 ppm	300 ppm (ACGIH STEL)	

**SECTION 3: PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)**

Boiling Point: 79.5°C as MEK	Melting Point: Not Applicable	Specific Gravity: d <sup>25</sup> <sub>4</sub> =1.1(H <sub>2</sub> O=1)	Vapor Pressure. (mmHg): 90.6mmHg as MEK
Percent Volatile by Volume (%): 20%	Vapor Density: Heavier than Air	Evaporation Rate: Not Available	
Solubility in Water: 29g/ml as MEK	Reactivity in Water: Stable		

Appearance & Odor: Straw colored Solution, Slvent Odorless

**SECTION 4: FIRE AND EXPLOSION HAZARD DATA**

Flash Point: 2°C	Flammable Limits in Air % by Volume: Upper: Not Available Lower: Not Available
Auto-Ignition Temperature: Not Available	

Extinguisher Media: Water, Foam, Dry-Chemical, CO<sub>2</sub>

Special Fire fighting Procedures: Firefighter should be equipped with self-contained breathing apparatus to avoid inhalation of smoke.  
Cool fire-exposed containers with water.

Unusual Fire & Explosion Hazards: Not expected

**SECTION 5: REACTIVITY DATA**

Stability: [ ]Unstable, [x]Stable Conditions to Avoid: Heat and warm storage

Incompatibility (Materials to Avoid):  
Can react vigorously with strong Lewis acid, strong Lewis base, primary and secondary amines.

Hazardous Decomposition Byproducts: Incomplete combustion can yield carbon monoxide, carbon dioxide, smoke and other possible unknown products.

Hazardous Polymerization: [ ]May Occur: [x]Will not Occur

All information is based on results gained from experience and tests and is believed to be accurate but is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control.

Users should always carry out sufficient tests to establish the suitability of any products for their intended applications.

No statements shall be incorporated in any contract unless expressly agreed in writing nor construed as recommending the use of any product in conflict of any patent.

All goods are supplied subject to DAINIPPON INK AND CHEMICALS' General Conditions of Sale.

**SECTION 6: HEALTH HAZARD DATA**

Route(s) of Entry: Inhalation, ingestion, skin and eyes contact.		Health Hazards (Acute and Chronic): Not Available
Other Exposure Limit Used: LD <sub>50</sub> = 6.86ml/Kg (rat oral) as MEK		
	Effects of overexposure	Emergency and First Aid Procedures
Inhalation	May cause nasal irritation, central nervous system depression or lung injury.	Remove to fresh air. Get medical attention.
Skin Contact	Mild irritation. May be a skin sensitizer. Not likely to be absorbed in toxic amounts.	Remove contaminated clothing and wipe off from skin. Wash with soap & water immediately.
Eye Irritation	Mild to moderate irritation, possible minor temporary corneal injury.	Flush eyes with plenty of water for 15 minutes and get medical attention.
Ingestion		Give more than 2 glasses of water and induce vomiting. Get medical attention immediately.
Carcinogenicity	This product does not contain 0.1% or more of any substance which is listed as a carcinogen by NTP, IARC or OSHA.	
Mutagenicity	Ames test : Not Available Chromosomal aberration test: Not Available	

**SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be taken in case material is released or spilled:  
Ventilate area. Absorb spill with suitable absorbent material and place into a closed container.  
Wear protective equipment during cleanup.

Waste Disposal Method: Care should be taken to ensure that the material or its container are disposed of in an approved facility in accordance with regulations.

Precaution to be taken in handling and storing:  
This material may cause sensitization. Do not get in eyes, on skin or clothing. Do not allow contaminated clothing to contact skin. Avoid breathing mist or heated materials.

Other precautions: Wear protective equipment.

**SECTION 8: CONTROL MEASURES**

**RESPIRATORY PROTECTION:** None normally necessary. An organic vapor type respirator should be considered in areas where spray mist or heated vapors are present, or room ventilation is inadequate.

**VENTILATION:** Local exhaust and general ventilation is recommended.

**PROTECTIVE GLOVES:** Avoid skin contact with this material. Ansell Edmont 4H gloves or equivalent should be used when handling this material.

**EYE PROTECTION:** Use of safety goggles with side protection is recommended.

**OTHER PROTECTIVE EQUIPMENT:** Use of aprons or other impermeable clothing as appropriate to prevent contact with resin is recommended.

**WORK/HYGIENIC PRACTICE:** Do not breathe mist or vapor. Do not get in eyes, skin, and clothing.

**SECTION 9: SUPPLEMENTAL INFORMATION**

UN NUMBER: 1866 Class 3

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