

**EPOTEC RD 104**

**1. IDENTIFICATION OF SUBSTANCE****Trade Name:** EPOTEC RD 104**Manufacturer/Supplier:** Aditya Birla Chemicals (Epoxy Division) 16<sup>th</sup> Floor Mahathun Plaza Building, 888/160 - 161 Pleonchit Road, Lumpini, Pathumwan, Bangkok 10330 Thailand. Tel: (662) 2535031-3, 2536882, Fax: (662) 2535030, Web site: [www.thaiepoxy.com](http://www.thaiepoxy.com)**For additional information:** Development Department, E-mail: [epotec@thaiepoxy.com](mailto:epotec@thaiepoxy.com)**2. COMPOSITIONS AND INFORMATION ON INGREDIENTS**

Component	CAS Number	%
Phenyl glycidyl ether	122-60-1	100

**3. HAZARD IDENTIFICATION****Eyes:** Severe eye irritant.**Skin:** Possible skin irritant and sensitizer. Can be absorbed through skin.**Ingestion:** Will cause illness**Inhalation:** May cause an allergic reaction.**4. FIRST AID****Eyes:** Immediately flush eyes with running water for at least 30 minutes. Visit doctor.**Skin:** Remove contaminated clothing immediately. Wash skin with soap and water.**Ingestion:** Induce vomiting only if person is conscious. Visit doctor.**Inhalation:** Remove to fresh air. Give oxygen &/or artificial respiration if needed. Call physician.**5. FIRE FIGHTING MEASURES****Flammable Properties:** Flash point >200°F (closed cup)

Auto ignition temperature Not applicable

**Flammability Limits:** LFL Not applicable

UFL Not applicable

**Extinguishing media:** Foam, water fog, dry chemical, carbon dioxide preferred.**Protective equipment:** Wear full protective clothing including self-contained breathing apparatus.**Special hazards:** High temperature will cause combustion.**6. ACCIDENTAL RELEASE MEASURES****Personal precautions:** Avoid contact with eyes and skin. Provide sufficient ventilation. Wear protective clothing when taking up spill.**Environmental precautions:** Prevent from entering sewer system, surface water or soil.**Methods for cleaning up:** If recovery is not feasible, admix with dry soil, and or non-reactive absorbent and place in an appropriate chemical waste container. Transfer to containers by suction, preparatory for later disposal. Place in metal containers for recovery or disposal. Flush area with water spray. Clean-up personnel must be equipped with self contained breathing apparatus and butyl rubber protective clothing. For large spills, recover spilled material with a vacuum truck.

**7. HANDLING AND STORAGE**

**Handling:** Avoid contact with skin or eyes. Keep containers closed when empty.

**Storage:** Store in cool, dry, ventilated storage and in closed containers. Store away from ignition sources.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Exposure Guideline(s):** Phenyl glycidyl ether TVL 1 ppm, PEL 1 ppm

**Respiratory protection:** If vapors are present, use a NOISH/MSHA approved positive pressure, supplied air respirator.

**Eye protection:** Use splash proof chemical goggles.

**Skin protection:** Do not allow any skin contact. If potential for skin contact is present, impervious protection clothing should be worn. Neoprene coated fabric is recommended for this application.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear transparent liquid.
<b>Color:</b>	Colorless.
<b>Odor:</b>	Aromatic.
<b>pH value:</b>	7.00
<b>Vapor pressure:</b>	< 0.1mmHg (25°C)
<b>Vapor density:</b>	5.1 (Air = 1)
<b>Boiling point:</b>	473°F
<b>Melting point:</b>	Not applicable.
<b>Specific gravity:</b>	1.1 (Water = 1)
<b>Solubility in water:</b>	Slight

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under storage conditions.

**Materials to avoid:** Strong oxidizers, Acids and Bases.

**Hazardous materials produced upon decomposition:** Combustion may form toxic materials, such as carbon dioxide, carbon monoxide.

**11. TOXICOLOGICAL INFORMATION**

<b>Acute Oral Toxicity (LD50/Rat):</b>	3850 mg/kg
<b>Acute Dermal Toxicity (LD50/Rat):</b>	2160 mg/kg
<b>Acute Inhalation Toxicity (LC50/Rat):</b>	> 100 ppm/ 8 Hr

**12. ECOLOGICAL INFORMATION**

<b>Degradation:</b>	Not readily biodegradable
<b>Ecotoxicity:</b>	Ecological injuries are not known or expected under normal use.

**13. DISPOSAL CONSIDERATIONS**

**Disposal:** Do not dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

**14. TRANSPORT INFORMATION**

**Department of Transportation:** 49CFR172.101-102 Classification: Corrosive Class: 8

**DOT Shipping Name:** Corrosive liquid, n.o.s. (Phenyl Glycidyl Ether)  
Class: 8  
UN: 1760  
PG: III

**15. REGULATORY INFORMATION**

**Notice:** The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial and local laws and regulations.

**U.S. REGULATIONS:**

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** All components of this product are contained on the Chemical Substance Inventory List.

**EPA HAZARD CLASSIFICATIONS:**

Acute Hazard. Chronic Hazard.

**CANADIAN REGULATIONS:**

**The Canadian Workplace Hazardous Materials Information System (WHMIS):** Classification for this product is:

Class D Division 2A

**16. OTHER INFORMATION**

The information presented herein is based on data considered to be accurate as of date of preparation of the Material Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.