

## EPOTEC RD 105

### 1. IDENTIFICATION OF SUBSTANCE

**Trade Name:** EPOTEC RD 105

**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.  
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### 2. COMPOSITIONS AND INFORMATION ON INGREDIENTS

Component	CAS Number	%
0-Cresol glycidyl ether	2210-79-9	100

### 3. HAZARD IDENTIFICATION

**Most important hazards:** Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

### 4. FIRST AID

**Eyes:** Immediately flush eyes with running water for at least 15 minutes. Visit doctor.

**Skin:** Remove contaminated clothing immediately. Wash skin with soap and water.

**Ingestion:** Do not induce vomiting. Drink water in small sips. (Diluting effect) Visit doctor.

**Inhalation:** Remove to fresh air. Give oxygen &/or artificial respiration if needed. Obtain medical attention. In all cases, referral to a physician is recommended, if there is any question about the seriousness of any injury.

### 5. FIRE FIGHTING MEASURES

**Flammable Properties:** Flash point 124°C (closed cup)

Auto ignition temperature Not applicable

**Flammability Limits:** LFL Not applicable

UFL Not applicable

**Extinguishing media:** Water, carbon dioxide, dry chemical, foam.

**Protective equipment:** Wear full protective clothing including self-contained breathing apparatus.

**Special hazards:** In case of a fire aside from the major combustion products, carbon dioxide, carbon monoxide and other harmful gases may be formed.

### 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:** Larger amounts: Dike spilled product with liquid absorbing material and pump off. Small amounts: Soak up with liquid absorbing material (sand etc.) and dispose of as instructed.

**7. HANDLING AND STORAGE**

**Handling:** Avoid contact with skin or eyes. Avoid breathing of vapors. Handle in well ventilated work space. When handling do not eat, drink or smoke.

**Storage:** Keep away from oxidizers. Keep in cool, dry, ventilated storage and in closed containers.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Exposure Guideline(s):** None established.

**Respiratory protection:** Not normally required. Wear self-contained breathing apparatus when spraying.

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

**Hand protection:** Wear gloves.

**Skin protection:** Rubber or plastic apron. Suitable arm protection if body contact is possible. Wear closed footwear.

**Hygiene measures:** Apply skin protection cream before handling. Immediately remove all contaminated clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear transparent liquid.
<b>Color:</b>	Colorless.
<b>Odor:</b>	Irritating
<b>pH value:</b>	Not applicable
<b>Vapor pressure:</b>	< 2.00 mmHg (21°C)
<b>Vapor density:</b>	5.66 (Air = 1)
<b>Boiling point:</b>	248°C
<b>Melting point:</b>	Not applicable.
<b>Specific gravity:</b>	1.08 (Water = 1)
<b>Solubility in water:</b>	Insoluble

**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>	5800 mg/kg
<b>Acute Dermal Toxicity (LD50/Rabbit):</b>	> 2000 mg/kg (No deaths)
<b>Acute Inhalation Toxicity (LC50/Rat):</b>	1220 ppm/4 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: Not hazardous.  
**DOT Shipping Name:** Not regulated.

**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 are included in the EPA Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

**OSHA HAZARD COMMUNICATION STANDARD (29CFR1910.1200):** Hazard Class

Irritant. Reproductive toxin. Sensitizer.

**EPA SARA Title III Section 312 (40CFR370):** Hazard Class

Immediately Health Hazard. Delayed Health Hazard.

**CANADIAN REGULATIONS:**

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

Class D Division 2A, Class D Division 2B

**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.