

EPOTEC RD 102

1. IDENTIFICATION OF SUBSTANCE**Trade Name:** EPOTEC RD 102**Manufacturer/Supplier:** Aditya Birla Chemicals 16th 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**For additional information:** Development Department, E-mail: epotec@thaiepoxy.com**2. COMPOSITIONS AND INFORMATION ON INGREDIENTS**

Component	CAS Number	%
Butyl glycidyl ether	2426-08-6	> 95
Butanol	71-36-3	< 5

3. HAZARD IDENTIFICATION**Eyes:** Will cause severe eye irritation, corneal damage if not removed.**Skin:** Corrosive and sensitizer**Ingestion:** May cause tissue damage**Inhalation:** Will cause coughing and laryngitis. 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 58°C (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):

Butyl glycidyl ether	TVL	25 ppm,	PEL	50 ppm
Butanol	TVL	100 ppm,	PEL	50 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

Appearance:	Clear transparent liquid.
Color:	Colorless.
Odor:	Aromatic.
pH value:	7.00
Vapor pressure:	0.59 mmHg (21°C)
Vapor density:	4.48 (Air = 1)
Boiling point:	164°C
Melting point:	Not applicable.
Specific gravity:	0.92 (Water = 1)
Solubility in water:	2.00%

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

Acute Oral Toxicity (LD50/Rat):	1000 mg/kg
Acute Dermal Toxicity (LD50/Rabbit):	788 mg/kg
Acute Inhalation Toxicity (LC50/Rat):	1030 ppm/8 Hr

12. ECOLOGICAL INFORMATION

Degradation:	Not readily biodegradable
Ecotoxicity:	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:	Hazard Class: 3
DOT Shipping Name:	Flammable liquid, n.o.s. (Butyl Glycidyl Ether)	
	Class:	3
	UN:	1992
	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 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. Toxic by skin absorption. Combustible.

EPA SARA Title III Section 312 (40CFR370): Hazard Class
Irritant, Reproductive toxin. Delayed Health Hazard. Fire Hazard.

CANADIAN REGULATIONS:

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

Class B Division 3, Class D Division 1B, 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.