



# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

<b>Material/Trade Name</b>	<b>Durasteel 5 epoxy</b>
<b>Material Type</b>	Epoxy Adhesive
<b>Company</b>	Republic Chemical Industries, Inc.
<b>Address</b>	731 Aurora Boulevard, Quezon City, 1112 Philippines
<b>Telephone</b>	+63 2 721 5781 to 86
<b>Fax</b>	+63 2 727 5095
<b>Website</b>	<a href="http://www.repchem.com">www.repchem.com</a>

## 2. COMPOSITION/INFORMATION INGREDIENTS

Chemical Identity	% Weight	CAS No.
Liquid Epoxy resin based on Epichlorohydrin and Bisphenol A	15	025085-99-8
Mercaptan Terminated polymer	15	33007-83-9
2,4,6-Tri(dimethylaminomethyl) Phenol	2	90-72-2
Nonyl Phenol	5	25154-52-3

## 3. HAZARDS IDENTIFICATION

<b>Inhalation</b>	Slightly toxic. Can cause irritation of respiratory tract. Overexposure to fumes or vapor may cause delayed lung damage And chemical pneumonia.
<b>Skin Contact</b>	May cause severe irritation; may be corrosive on prolonged contact.
<b>Skin Absorption</b>	Slightly toxic.
<b>Eye Contact</b>	Can be corrosive to eye tissue leading to permanent damaged.
<b>Ingestion</b>	<b>Toxic.</b>

<b>4. FIRST AID MEASURES</b>	
<b>Eye or Skin contact</b>	Flush thoroughly with plenty of water.
<b>Inhalation</b>	Move to fresh air and if there are adverse reactions, call a Physician.
<b>Ingestion</b>	Do not induce vomiting, immediately drink a large quantity of milk or water and call a physician.
<b>5. FIRE FIGHTING MEASURES</b>	
<b>Extinguishing Media</b>	Foam, dry chemical or carbon dioxide
<b>Special Fire fighting Procedure</b>	Wear full protective equipment including self-contained breathing apparatus.
<b>6. ACCIDENTAL RELEASE MEASURES</b>	
<b>Spills/Leaks</b>	Soak up in absorbent material such as sand and collect in suitable Container. Flush area with plenty of water. Wear adequate personal Protective clothing and equipment. Keep out of irrigation ditches, sewers, and water supplies.
<b>Disposal Method</b>	Do not dump into any sewers, on the ground or into any body of water Dispose in an approved chemical waste landfill. Disposable method Must be in compliance with federal, State/Provincial and local laws And regulations.
<b>7. HANDLING AND STORAGE</b>	
<b>Handling</b>	Protect from heat and direct sunlight.
<b>Storage</b>	Practice caution and good personal cleanliness to avoid skin and Eye contact. Avoid vapors of heated material.
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>Eye/Face Protection</b>	Safety goggles/glasses.
<b>Respiratory Protection</b>	If respiratory irritation is experienced, use an approved air purifying Respirator.
<b>Skin Protection</b>	Use protective clothing impervious to this material. Remove contaminated clothing immediately, wash skin with soap And water.
<b>Ventilation</b>	Good general ventilation should be sufficient for most condition.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### A. UNCURED STATE

Form	Epoxy
Color	Part A – black; Part B – off-white
Consistency	Soft paste
Solids Content	100%

### B. CURED STATE

**Tensile Strength	28.0 MPa
**Compressive Strength	62.0 MPa
**Flexural Strength	50.8 MPa
Hardness (Shore D)	95
Shrinkage	Nil

\*\*The physical represented above are typical values and should not be construed as a specification. For additional physical data and details on use, please obtain a data sheet for this product.

## 10. STABILITY AND REACTIVITY

Stability and Reactivity	Stable
Hazard Polymerization	Will not occur by itself

## 11. TOXICOLOGICAL INFORMATION

Skin and Eye irritation	Irritating to eyes and skin.
Sensitizing	May cause sensitization by skin contact.

## 12. ECOLOGICAL CONSIDERATION

Non-biodegradable

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local and national regulations.  
Dispose in an approved chemical waste landfill.

## 14. TRANSPORT INFORMATION

Not considered hazardous for the purpose of transportation.

## 15. REGULATORY INFORMATION

### SARA 313 Information

To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 Supplier Notification requirements.

## 16. OTHER INFORMATION

None