



## MATERIAL SAFETY DATA SHEET

Chemtrec 24-Hour Emergency Telephone

Domestic North America  
International

(800)424-9300  
(800)527-3887

### 1. Product and Supplier Identification

**Product Name:** ORCA BAT-100 EPOXY RESIN SYSTEM

**Product Number:** 10060421 (A)

**Date of Prep:** 01/20/2011

**Product Type:** Epoxy Polymer Mixture

**Supplier:** Orca Composites  
24 S. Idaho St  
Seattle, Wa 98134  
(206)782-0660

### 2. Composition/Information On Ingredients

Component	% (w/w)	CAS Number
Diglycidyl Ether of Bisphenol A (DGEBCPA)	70-80%	25068-38-6
Alkylglycidyl Ether	20-30%	131-11-3

### 3. Hazards Identification

**EFFECTS OF OVEREXPOSURE:**

**Acute:** Slightly irritating to skin, moderately irritating to eyes. Odor may irritate nose, throat and respiratory tract of some persons.

**Chronic:** May cause skin sensitization from prolonged and repeated contact.

**Carcinogenicity:** Early studies with DGEBCPA have been negative. The IARC concluded in 1988 that DGEBCPA was not classifiable as a carcinogen.

### 4. First Aid Measures

**Eyes:** Flush with water for 15 minutes holding eyelids open. Seek medical attention.

**Skin:** Remove contaminated clothing and shoes and wipe excess off skin. Flush skin with water. Follow by washing in soap and water. If irritation occurs, seek medical attention. Do not reuse clothing until cleaned. Contaminated leather articles (shoes) can not be decontaminated and should be destroyed.

**Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

**Ingestion:** Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than 2 glasses of water and induce vomiting by giving 2 tablespoons syrup of ipecac (1

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tablespoon and 1 glass of water for child). If ipecac is unavailable, give 2 glasses of water and induce vomiting by touching finger to back of throat. Keep head below hips while vomiting. Get medical attention.

**Medical Conditions Generally Aggravated by Exposure:** Other than skin sensitization which appears to be permanent, epoxy resin does not appear to cause long term health effects. Nor, does it appear to aggravate other medical conditions..

### 5. Fire Fighting Measures

**Flash Point:** > 300°F

**Method:** Pensky-Martens Closed Cup

**Flammable Limits in Air By Volume - Lower:** N/A **Upper:** N/A

**Extinguishing Media:** Foam, Carbon Dioxide, Dry Chemical, Water Fog

**Special Firefighting Procedures:** When fighting chemical fires wear full protective equipment with self-contained breathing apparatus. Water spray may be used to cool fire exposed containers. Toxic fumes may be evolved when this substance is burned.

### 6. Accidental Release Measures

See section 7

### 7. Handling and Storage

**If Material is Spilled:** Avoid contact with material. Persons not wearing appropriate protective equipment should leave the area of the spill until cleanup is complete. Stop spill at source, dike area to prevent spreading, pump liquid to salvage tank or drum. Remaining liquid may be taken up on clay, diatomaceous earth, sawdust, or other absorbant, and shoveled into disposal containers.

**Waste Disposal Method:** Waste is not hazardous by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local regulations.

### 8. Exposure Controls, Personal Protection

**Respiratory Protection:** Normally none is required when adequate ventilation is provided. In the absence of proper environmental control NIOSH approved respiratory is required. For emergencies, a self-contained breathing apparatus or full-faced respirator is recommended.

**Ventilation:** Provide adequate ventilation in work areas. Confine material in sealed containers when not in use.

**Hand Protection:** Always wear impervious gloves, neoprene, vinyl or rubber.

**Eye Protection:** Splash proof goggles or safety spectacles with side shields are recommended. Always wear eye protection when sanding cured epoxy resins to avoid dust in eyes.

**Other Protective Equipment:** Wear clean, body-covering clothing to avoid skin contact.

### 9. Physical and Chemical Properties

**Boiling Range:** not applicable **Specific Gravity:** 1.1-1.3

**Vapor Density:** Heavier than Air

**Material V.O.C.:** None

**Evaporation Rate:** Slower than Ether **Water Solubility:** Negligible

**Appearance and Odor:** Syrupy, clear liquid with little or no odor.

**Viscosity @ 25° C:** 1350-1400 cps

**Specific Gravity:** 1.13

**Color:** Clear

## 10. Stability and Reactivity

**Stability:** Stable. Hazardous Polymerization: Will not occur.

**Incompatibility:** Strong oxidizing agents, Lewis and mineral acids.

**Hazardous Decomposition Products:** Oxides of carbon, aldehydes, acids

**Conditions to Avoid:** Epoxy resins and epoxy resin hardeners react with each other producing heat. They should not be mixed with each other under uncontrolled conditions or in large mass as the ensuing exotherm may result in heat and smoke resulting in hazardous decomposition products.

## 11. Toxicological Information

N/A

## 12. Ecological Information

N/A

## 13. Disposal Considerations

Review federal, provincial or state, and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration may be acceptable.

## 14. Transport Information

NOT REGULATED

## 15. Regulatory Information

NOT REGULATED

## 16. Other Information

**HAZARD RATING:** Health – 2 / Fire – 1 / Reactivity - 0

**Preparation Date:** January 27, 2011

**Prepared by:** Orca Composites

Comments: This Material Safety Data Sheet was prepared using information provided by Orca Composites and Fiberlay Inc.

**Revisions:** None