



## 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:** 10060431 (B)

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

**Product Type:** Amine Mixture

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

### 2. Composition/Information On Ingredients

Component	% (w/w)	CAS Number
Modified Aliphatic Amines (Mixture is trade secret)	100%	—

### 3. Hazards Identification

**EFFECTS OF OVEREXPOSURE:**

**Acute:** May cause burns to skin and eyes. High vapor concentration can cause severe irritation of eyes and respiratory tract. Liquid causes severe damage to mucous membranes if swallowed.

**Chronic:** Prolonged and repeated skin contact may cause skin sensitization, asthma or other allergic responses.

**Carcinogenicity:** Results of in vitro mutagenicity tests on ethylene amines have been negative. It is not expected that any of the ingredients are carcinogenic.

### 4. First Aid Measures

**Eyes:** Flush thoroughly with water for at least 15 minutes. Get immediate medical attention.

**Skin:** Remove contaminated clothing and flood area with water. Wash affected skin with soap and water. Wash clothing before reuse. Discard shoes. Get medical attention if redness, soreness, or blistering occur or persist.

**Inhalation:** Remove to fresh air. Administer oxygen if necessary. Get medical attention if breathing is difficult or cough develops.

**Ingestion:** DO NOT INDUCE VOMITING. Vomiting will cause further damage to throat or respiratory tract. Dilute by giving water or milk to drink if victim is conscious. GET IMMEDIATE MEDICAL ATTENTION.

**Medical Conditions Generally Aggravated by Exposure:** This material may be a strong skin sensitizer in certain susceptible persons. Once sensitized, most persons are unable to work around amine cured epoxy resins without an allergic reaction. Sensitized persons are not known to have other health problems as a result of sensitization.

## 5. Fire Fighting Measures

**Flash Point:** > 250F° Method: Pensky-Martins 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 will 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:** N/A

**Specific Gravity:** 0.9

**Vapor Density:** Heavier than Air

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

**Evaporation Rate:** Slower than Ether

**Water Solubility:** Negligible

**Appearance and Odor:** Light amber liquid with ammonia-like odor.

**Viscosity @ 25° C:** 350-400 cps

**Specific Gravity:** 1.00

**Color:** Slight Amber

## 10. Stability and Reactivity

**Stability:** Stable

**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.

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

**Hazardous Decomposition Products:** Oxides of carbon, nitrogen

**Hazardous Polymerization:** Will not occur.

## 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

**Department of Transportation Classification:**

One gallon or less: ORM-D More than one gallon: AMINES, LIQUID, CORROSIVE, N.O.S., (ETHYLENE AMINE), 8, UN2735, PG III

**SARA Title III:**

This product contains no toxic chemicals subject to the report requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372.

## 15. Regulatory Information

NOT REGULATED

## 16. Other Information

**HAZARD RATING:** Health – 3 / 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