



# MATERIAL SAFETY DATA

Chemtrec 24-Hour Emergency Telephone

Domestic North America (800) 424-9300

International (800) 527-3887

*This MSDS complies with 29 CFR 1910.1200 (Hazard Communications)*

## 1. PRODUCT AND SUPPLIER IDENTIFICATION:

**Product Name:** ORCA Epoxy Hardener Easton Blade      **Part B**  
**Product Number:** 1006043  
**Date of Prep:** 1-30-11  
**Product Type:** Amine Mixture  
**Supplier:** Fiberlay Inc.  
24 S. Idaho S.  
Seattle, Wa 98134  
(206)782-0660

## 2. HAZARDOUS INGREDIENTS:

CAS No.	Chemical Name	Amount	OSHA PEL	ACGIH TLV
	Modified Aliphatic Amines (Mixture is trade secret)	100%	None Established	None Established

## 3. HAZARDOUS IDENTIFICATION:

**SPECIFIC HAZARDS:** Health 3 Fire 1 Reactivity 0

**ADVERSE HUMAN HEALTH EFFECTS :** Overexposure

### Acute:

- May cause burns 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 contact may cause 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 with water for 15 minutes holding eyelids open; 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 and provide 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 MEDIAL 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:** > 250°F Method; Pensky-Mertens Closed Cup

**Flammable Limits in Air By Volume:** Lower: NA Upper: NA

**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

<b>6. ACCIDENTAL RELEASE MEASURES:</b>
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**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 absorbent
- Shovel into disposal containers

<b>7. PERSONAL PROTECTION:</b>
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**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

<b>8. PHYSICAL AND CHEMICAL PROPERTIES:</b>
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<b>Physical Form</b>	liquid
<b>Color</b>	Light amber
<b>Odor</b>	Ammonia-like
<b>Boiling Range</b>	Not applicable

<b>Specific Gravity</b>	0.9
<b>Material V.O.C.</b>	None
<b>Water Solubility</b>	Negligible
<b>Vapor Density</b>	Heavier than air
<b>Evaporation Rate:</b>	Slower than ether

**9. STABILITY AND REACTIVITY:**

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Incompatibilities:**

- Strong oxidizing agents
- mineral acids

**Instability Conditions:** 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.

**Decomposition Products: Oxides of:**

- carbon
- nitrogen

**10. DISPOSAL CONSIDERATIONS:**

**Waste Disposal Method:**

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

**11. TRANSPORTATION INFORMATION:**

**Department of Transportation Classification:**

One gallon or less: ORM-D

More than one gallon: AMINES, LIQUID, CORROSIVE, N.O.S., (ETHYLENE AMIE), 8 U2735, 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.

**12. OTHER INFORMATION:**

**Preparation Date:** 1-30-11

**Prepared by:** Fiberlay Inc

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