

**MATERIAL SAFETY DATA SHEET**

B.D. Classic Ent. 12937 Sunshine Ave. Emergency Phone: 214-963-1398  
Santa Fe Springs, CA 90670 213-862-1380  
Business Phone: 213-944-6177 Product Code: 19248 Page: 1

**PRODUCT NAME:** ARISTOCRAT EPOXY RESIN

**Effective Date:** 03/03/88 **Date Printed:** 03/04/88

**MSDS:** 000227

**1. INGREDIENTS:**

Reaction products of epichlorohydrin  
& bisphenol A

CAS# 025085-99-8 100%

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

**2. PHYSICAL DATA:**

**BOILING POINT:** Not applicable

**VAP. PRESS:** Not applicable

**VAP. DENSITY:** Not applicable

**SOL. IN WATER:** None

**SP. GRAVITY:** 1.16

**APPEARANCE:** Water-white to yellow liquid to semi-solid.

**ODOR:** Faint epoxy odor.

**3. FIRE AND EXPLOSION HAZARD DATA:**

**FLASH POINT:** 485F, 252C

**METHOD USED:** PMCC

**FLAMMABLE LIMITS**

**LFL:** Not applicable

**UFL:** Not applicable

**EXTINGUISHING MEDIA:** Foam, CO2, dry chemical.

**FIRE & EXPLOSION HAZARDS:** None.

**FIRE-FIGHTING EQUIPMENT:** Wear positive pressure self-contained breathing apparatus.

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## 4. REACTIVITY DATA:

**STABILITY: (CONDITIONS TO AVOID)** Excess heating over long periods of time degrades the resin.

**INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID)** Base, acid, amines and oxidizing materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** The by-products expected in incomplete pyrolysis or combustion of epoxy resins are mainly phenolics, carbon monoxide and water. The thermal decomposition products of epoxy resins therefore should be treated as potentially hazardous substances, and appropriate precautions should be taken.

**HAZARDOUS POLYMERIZATION:** Will not occur by itself, but masses of more than 1 pound of product plus an aliphatic amine will cause irreversible polymerization with considerable heat buildup.

## 5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

**ACTION TO TAKE FOR SPILLS/LEAKS:** Soak up in absorbent material such as sand and collect in suitable containers. Residual resin may be removed using steam or hot soapy water. Solvents are not recommended for cleanup unless the recommended exposure guidelines and safe handling practices for the specific solvent are followed. Consult appropriate solvent MSDS for handling information and exposure guidelines. Keep spark producing equipment away. For large spills evacuate upwind of spills and contain with dike.

**DISPOSAL METHOD:** Burn in adequate incinerator or bury in an approved landfill; in accordance with local, state, and federal regulations.

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## 6. HEALTH HAZARD DATA:

EYE: May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.

SKIN CONTACT: Prolonged exposure not likely to cause significant skin irritation. Repeated exposure may cause skin irritation. Has caused allergic skin reaction in humans.

SKIN ABSORPTION: A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. The LD50 for skin absorption in rabbits is 20,000 mg/kg.

INGESTION: Single dose oral toxicity is low. The oral LD50 for rats is >5000 mg/kg. No hazards anticipated from ingestion incidental to industrial exposure.

INHALATION: Vapors are unlikely due to physical properties.

SYSTEMIC & OTHER EFFECTS: Except for skin sensitization, repeated exposures to low molecular weight diglycidyl ether of bisphenol A are not anticipated to cause any significant adverse effects. A poorly characterized sample of low molecular weight diglycidyl ether of bisphenol A has been reported to produce skin cancer in a highly sensitive strain of mice. However, high levels of impurities (including a known animal skin carcinogen) compromise the validity of the findings. Diglycidyl ether of bisphenol A that is representative of current manufacturing processes is not believed to be a cancer hazard to humans. Did not cause birth defects or other adverse effects on the fetus when pregnant rabbits were exposed by skin contact, the most likely route of exposure. Results of mutagenicity tests in animals have been negative. Has been shown to be negative in some in vitro ('test tube') mutagenicity tests and positive in others.

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**7. FIRST AID:**

**EYES:** Irrigate immediately with water for at least 5 minutes.

**SKIN:** Wash off in flowing water or shower.

**INGESTION:** No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

**INHALATION:** Remove to fresh air if effects occur. Consult a physician.

**NOTE TO PHYSICIAN:** No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

**8. HANDLING PRECAUTIONS:**

**EXPOSURE GUIDELINE(S):** None established.

**VENTILATION:** Good general ventilation should be sufficient for most conditions.

**RESPIRATORY PROTECTION:** No respiratory protection should be needed.

**SKIN PROTECTION:** For brief contact, no precautions other than clean body-covering clothing should be needed. Use impervious gloves when prolonged or frequently repeated contact could occur.

**EYE PROTECTION:** Use safety glasses. Where contact with this material is likely, chemical goggles are recommended because eye contact may cause discomfort even though it is unlikely to cause injury.