



ABATRON, INC.

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Material Safety Data Sheet

SECTION 1: PRODUCT IDENTIFICATION

Effective Date: 01 July 1, 2004

Product Code: 8005-6 A

Product Name: ABOCAST 8005-6

Class: Epoxide Resin

Type: Liquid Resin

SECTION 2: HAZARDOUS INGREDIENTS

Proprietary Epoxy Prepolymer

SECTION 3: PHYSICAL DATA

Boiling Point :> 300° F

Vapor Press: NA

Vapor Density (AIR=1): NA

Appearance and Odor: Gray liquid; mild aromatic odor.

Sol. In Water: Negligible

Sp. Gravity: 1.1-1.15

% Volatile By Vol.: <1.00

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point: >300° F

Method Used: P.M.C.C.

Extinguishing Media: Foam, CO², dry chemical.

Special Fire Fighting Equipment and Hazards: None

Flammable Limits (STP in air)

LFL: Not deter. **UFL:** Not deter.

SECTION 5: HEALTH HAZARD DATA

Ingestion: Low single oral toxicity: LD50 (RAT): >2000 MG/KG.

Eye Contact: Minor irritation. Minor transient corneal injury likely.

Skin Contact: Mild irritation. May be a skin sensitizer.

Skin Absorption: Not likely to be absorbed in toxic amounts.

Inhalation: Not likely a problem at room temperature. Vapors from heated material may be irritating.

Effect of Overexposure: Possible nasal or lung irritation or central nervous system depression

FIRST AID PROCEDURES:

Eyes: Irrigate with flowing water immediately for at least 5 minutes. Refer to medical personnel.

Skin: Contact will probably cause no more than irritation. Flush skin with water or soap water. Wash clothing before reuse.

Inhalation: Remove to fresh air if effects occur. Consult medical personnel.

Ingestion: Low in toxicity. Induce vomiting if large amounts are ingested.

Note to Physician:

Eyes: Injury is unlikely. Stain for evidence of corneal injury. Consult ophthalmologist.

Skin: May cause moderate irritation. Treat as any contact dermatitis. Known or suspected sensitizer. Not likely to be absorbed in acutely toxic amounts.

Respiratory: Injury is unlikely.

Oral: Low in toxicity.

Systemic: Human effects not established. No specific antidote. Treatment based on the sound judgment of the physician and the individual reaction of the patient.

SECTION 6: REACTIVITY DATA

Stability: Stable under normal conditions. Prolonged excessive heat may cause partial degradation.

Incompatibility: Active acids and bases.

Hazardous Decomposition Products: None under normal conditions.

Hazardous Polymerization: Will not occur by itself, but masses of more than 1-2 lbs of product plus an aliphatic amine may cause irreversible reaction with considerable heat buildup.

SECTION 7: SPILL, LEAK AND DISPOSAL PROCEDURES

Action to Take for Spills (use appropriate safety equipment): Soak in absorbent material or scrape up. Residual resin can be removed by use of non-flammable solvent such as methylene chloride.

Disposal Method: Do not dump into any sewers, on the ground or into any body of water. Burn in adequate incinerator. All disposal methods must be compliance with all Federal, State and Local law and regulations.

SECTION 8: SPECIAL HANDLING INFORMATION

Ventilation: Sufficient to minimize vapor exposure if generated.

Respiratory Protection: None likely needed.

Protective Clothing: Clean, body covering clothing. Disposable plastic or rubber gloves. Disposable containers and paper in work area.

Eye protection: Safety glasses without side shields.

SECTION 9: SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

Precautions to Be Taken In Handling and Storage: None except normal handling care. Practice good caution and personal cleanliness to avoid eye and skin contact. Avoid breathing vapors if generated.

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.



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SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: ABOCURE 8005-6
PRODUCT CODE: 8005-6 B

EFFECTIVE DATE: 07/01/2004
TYPE: EPOXY CURING AGENT

SECTION 2: HAZARDOUS INGREDIENTS:

Proprietary; 2, 4, 6-Tri(Dimethylaminomethyl)phenol

SECTION 3: PHYSICAL DATA

Boiling Point: 140-160°C
Vapor Press: >1 MMHG @ 25°C
Vapor Density (Air=1): <2.0
Appearance and Odor: Amber-colored liquid - mercaptan-ammonia odor

Sol. In Water: <1%
Sp. Gravity: 1-1.1
% Volatile By Vol.: <1

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point: >200°F
Method Used: Pensky-Martens C.C.
Extinguishing Media: Water fog, alcohol foam, CO₂, dry chemical.
Special Fire Fighting Equipment And Hazards: Protective clothing (see sect 7) and positive pressure self-contained breathing apparatus.

Flammable Limits (Estimated)
LFL: N/A **UFL:** N/A

SECTION 5: HEALTH HAZARD DATA

Ingestion: LD50 FOR RATS = 2.7 ML/KG. May cause burns of mouth and throat, gastrointestinal irritation or ulceration.
Eye Contact: May cause pain and irritation with corneal injury, with possible permanent impairment of vision or even blindness.
Skin Contact: May cause burns and allergic reaction.
Skin Absorption: Prolonged exposure may result in absorption in harmful amounts. The skin absorption LD50 for rabbits = >2.0 G/KG
Inhalation: may cause sensitization or asthma in susceptible individuals. Overexposure may cause irritation to upper respiratory tract.
Effect Of Overexposure: May cause liver and kidney effects, perhaps skin sensitization and dermatitis.

First-Aid Note to Physician:

Eyes: Irrigate with flowing water immediately for at least 30 minutes. Prompt medical attention is essential.

Skin: Immediately wipe off excess, flush with water for at least 15 minutes. Remove contaminated. Seek medical attention immediately.

Inhalation: Remove to fresh air if effects occur. Consult physician.

Ingestion: Do not induce vomiting. Give large amounts of water or milk if available and transport to medical facility. Corrosive. May cause stricture. If lavage is performed, suggest endotracheal and/or esophagoscopy control. If burned, treat as any thermal burn, after decontamination. No specific antidote. Supportive care: based on physician's judgment upon patient's reactions.

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SECTION 6: REACTIVITY DATA

Stability: Stable

Incompatibility: Acid, oxidizing material, halogenated organic compounds

Hazardous Decomposition Products: Nitrogen oxides, H₂S, SO₂, CO₂, CO, when burned.

Hazardous Polymerization: None known.

SECTION 7: SPILL, LEAK AND DISPOSAL PROCEDURES

Action to Take For Spills:

Large Spills: Dike up and pump into appropriate containers.

Small Spills: Dilute with water and recover, or use noncombustible absorbent material/sand and shovel into suitable containers.

Disposal Method: Large quantities could be recovered. Otherwise, incinerate as per local, state and federal rules. Keep out of public water supplies.

SECTION 8: SPECIAL HANDLING INFORMATION

Exposure Guidelines: None established.

Ventilation: Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Respiratory Protection: Under conditions where high exposure is likely, use an approved full-face air-purifying respirator.

Protective Clothing: Use protective clothing impervious to this material. Selection of gloves, boots, apron, or full-body suit depends on operation. Discard contaminated leather items. Remove contaminated clothing, wash skin with soap and water. Launder clothing before reuse.

Eye Protection: Use chemical goggles. Eye wash fountain should be nearby.

SECTION 9: SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

Ground all transfer equipment. Hold bulk storage under nitrogen blanket. Material should not come in contact with copper or copper-bearing alloys.

The information herein is given in good faith, but no warranty, express or implied, is made.