

# Material Safety Data Sheet

TC-1570 PART A

Date of Preparation: 06/08/2005

Revision: 06/08/2005

## Section 1 - Chemical Product and Company Identification

**Product Name:** TC-1570 PART A

**Product Class:** Epoxy Resin

**Chemical Type:** Bisphenol A Diglycidyl mixture

**Manufacturer:** BJB Enterprises, Inc., 14791 Franklin Avenue, Tustin, CA 92780, Phone (714) 734-8450, Fax (714) 734-8929, (M-Th: 8-4:30, F: 7:30-4), Emergency Phone: Chemtrec (800) 424-9300 or (703) 527-3887

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CASRN
1. Diglycidyl Ether of Bisphenol A	25068-38-6
2. Glycidyl Ether	2425-79-8

## Section 3 - Hazards Identification

### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Appearance: White semi-paste; Odor: slight; Avoid skin contact. Avoid breathing vapors. May cause eye and skin irritation. Harmful if inhaled. Use in well-ventilated areas. Decomposition and combustion products may be toxic.

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### Potential Health Effects

**Primary Entry Routes:** Eye and skin contact; inhalation of vapors, accidental ingestion.

**Inhalation/Ingestion:** Shortness of breath, bronchial irritation/May cause gastric irritation.

**Eye:** May cause irritation.

**Skin:** May cause dermatitis or allergic skin reaction.

**Medical Conditions Aggravated by Long-Term Exposure:** None known

## Section 4 - First Aid Measures

**Inhalation:** Not likely. Remove to fresh air environment.

**Ingestion:** If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

**Eye Contact:** Flush eyes with clean, lukewarm water for 15 minutes. Obtain medical attention if irritation develops.

**Skin Contact:** Remove contaminated clothing and wash affected areas well with soap and water. Launder contaminated clothing before use.

**Note to Physicians:** Treat any ill effects symptomatically.

## Section 5 - Fire-Fighting Measures

**Flash Point/Method:** >300°F (149°C) Closed cup

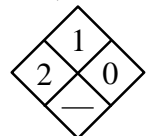
**Extinguishing Media:** Carbon Dioxide, dry chemical extinguisher or foam.

**Unusual Fire or Explosion Hazards:** Decomposition and combustion products may be toxic.

**Fire-Fighting Instructions:** Cool fire exposed containers with water spray. Remove containers from fire area if possible. Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Firefighters should wear positive pressure self-contained breathing apparatus (SCBA) and consider use of unmanned hose holders or monitor nozzles for fighting large fires.

NFPA



## Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Provide adequate ventilation and wear personal protective equipment. Evacuate personnel as a precaution. Prevent product spill from entering sewers, streams, or drinking water supplies. Collect liquid or soak up with inert filler or an absorbent, such as dry earth, sand, or oil absorbent (sweeping) compound. Collect material into suitable containers for disposal. Wash area with dilute ammonia solution.

**Containment:** For large spills, dike ahead of liquid spill for later neutralization, absorption, clean up, and disposal.

## Section 7 - Handling and Storage

**Handling Precautions:** Avoid contact with eyes, skin and clothing. Avoid breathing vapor over open container.

**Storage Requirements:** Store in a cool, dry place away from excessive heat in original or similar waterproof containers. Avoid unnecessary contact. Protect from freezing. Containers should be tightly sealed to prevent contamination with foreign materials.

**Shelf life:** 12 months from date of shipment under manufacturers recommended storage conditions.

## Section 8 - Exposure Controls / Personal Protection

### Exposure Limits:

Diglycidyl Ether of Bisphenol A (25068-38-6)

Not established

Glycidyl Ether (2425-79-8)

Not established

**Eye Protection Requirements:** Safety goggles or glasses are recommended. Plastic face shield should be worn for complete face protection.

**Skin Protection Requirements:** Impermeable gloves should be worn. Employees should wash their hands and face before eating, drinking, or using tobacco products.

**Ventilation/Respiratory Requirements:** Exhaust ventilation recommended. An organic vapor cartridge or fresh air supplied respirator (NIOSH certified) may be necessary for certain applications. Consider the type of application, environmental concentrations, and other materials being used concurrently when determining respirator use and selection. Observe OSHA regulations for respirator use (29 CFR 1910.134).

**Additional Protective Measures:** Safety showers and eye wash stations should be easily accessible to the work area. Training is important. Follow all label precautions.

## Section 9 - Physical and Chemical Properties

**Flash Point/Method:** >300°F (149°C) Closed cup

**Water Solubility:** Insoluble

**Physical State:** Semi-paste

**Boiling Point:** >300°F (149°C)

**Appearance and Odor:** White/slight odor

**Viscosity:** 160,000 cps

**Vapor Pressure:** 1 mm Hg @ 356°F (180°C)

**% Volatile:** Nil

**Specific Gravity (H<sub>2</sub>O=1):** 2.1

**V.O.C. (ref EPA meth 24):** N/A

**pH:** N/A

## Section 10 - Stability and Reactivity

**Stability:** Stable at room temperature in closed containers under normal storage and handling conditions.

**Hazardous Polymerization:** Will not occur.

**Chemical Incompatibilities/Conditions to Avoid:** Oxidizing acids, Lewis acids, and metal-organic compounds.

**Hazardous Decomposition:** Thermal oxidative decomposition can produce toxic fumes/gases.

## Section 11- Toxicological Information

### Animal Toxicity:

Diglycidyl Ether of Bisphenol A (25068-38-6)

LD50 Acute Oral, Rat:>5,000 mg/kg

LD50 Acute Dermal, Rabbit:>6,000 mg/kg

Glycidyl Ether (2425-79-8)

LD50 Acute Oral, Rat: 1,410 mg/kg

LD50 Acute Dermal, Rabbit:>2,150 mg/kg

## Section 12 - Ecological Information

### Ecotoxicity:

Diglycidyl Ether of Bisphenol A (25068-38-6)

LC50 Rainbow Trout (96 h): 1.5 mg/l

LC50 Zebra Fish (96 h): 2.4 mg/l

Glycidyl Ether (2425-79-8)

LC0, Zebra Fish (96 h): 18 mg/l

**Section 13 - Disposal Considerations**

**Waste Disposal Method:** Landfill burial unless prohibited. Dispose of in compliance with federal, state, or local environmental control regulations.

**Section 14 - Transport Information**

**DOT**  
Not regulated

**IATA/ICAO**  
Not regulated

**IMO/IMDG**  
Not regulated

**Section 15 - Regulatory Information****U.S. Federal Regulations:****OSHA:**

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard.

**SARA TITLE III:**

Sections 311/312 Hazard Classification:  
Acute Health Hazard

Section 313: This product contains the following substances subject to the reporting requirements of EPCRA, Section 313 and 40 CFR Part 372:

None

TSCA: This product or its components are listed in or exempt from the TSCA inventory requirements.

This product contains the following substances subject to export notification under Section 12 (b) of TSCA:

None

**Section 16 - Other Information**

**Reason for Issue:** New Issue

**Prepared By:** M. Rose

**Approval Date:** 06/08/2005

**Supersedes Date:** 02/25/2005

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