

Material Safety Data Sheet

TC-4485 PART A

Date of Preparation: 03/08/2001

Revision: 03/08/2001

Section 1 - Chemical Product and Company Identification

Product Name: TC-4485 PART A

Product Class: Epoxy resin

Chemical Type: Bisphenol-A diglycidyl ether with dispersed inorganic fillers

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

Section 2 - Composition / Information on Ingredients

Ingredient Name	CASRN	% wt
1. Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl) oxirane	25068-38-6	<20
2. Dibutyl phthalate	84-74-2	<5

Trace Impurities: N/A

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
#1	NE	NE	NE	NE	NE	NE	NE
#2	NE	NE	NE	NE	NE	NE	NE

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Appearance: Thick liquid; Odor: slightly sweet; May cause eye and skin irritation. Polymerizes at temperatures above 356°F (180°C). Unstable at high temperature.

HMIS
H 2
F 1
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PPE†
†Sec. 8

Potential Health Effects

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

Inhalation/Ingestion: Excessive vapors caused by heat or spray mist can cause respiratory problems.

Eye: May cause irritation.

Skin: May cause irritation and possible allergic sensitivity with repeated contact.

Medical Conditions Aggravated by Long-Term Exposure: Irritation, sensitization and Dermatitis.

Section 4 - First Aid Measures

Inhalation: Not likely. Remove to fresh air environment.

Ingestion: If swallowed, give at least 3 - 4 glasses of water but do NOT induce vomiting. If vomiting occurs, give water again. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention. Have a physician determine whether vomiting or stomach evacuation is necessary.

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. Wash contaminated clothing before use.

Note to Physicians: Treat any ill effects symptomatically.

Section 5 - Fire-Fighting Measures

Flash Point/Method: 375°F (191°C) C.O.C.

Autoignition Temperature: N/A

Flammability Classification: N/A

Extinguishing Media: Carbon dioxide, dry powder, foam or water spray.

Unusual Fire or Explosion Hazards: Polymerizes at temperatures above 356°F (180°C). Unstable at high temperatures.

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.



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

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 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. Working training is important. Follow all label precautions.

Section 9 - Physical and Chemical Properties

Physical State: Thickened liquid

Appearance and Odor: Thick; slight sweet

Vapor Pressure: 1 mm Hg at 300°F (149°C)

Specific Gravity (H₂O=1): 1.8

pH: N/A

Water Solubility: Insoluble

Boiling Point: ND - decomposes

Viscosity: 278,000 cps

% Volatile: Nil

V.O.C. (ref EPA meth 24): <1 gm/liter

Section 10 - Stability and Reactivity

Stability: TC-4485 PART A is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization will not occur.

Chemical Incompatibilities/Conditions to Avoid: Strong acids and bases, amines and oxidizers.

Section 11- Toxicological Information

No Toxicological Information Available

Section 12 - Ecological Information

No Ecological Information Available

Section 13 - Disposal Considerations

Waste Disposal Method: Incinerate or 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**EPA Regulations: 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:

None

Section 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 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: Revised sections 7 & 15

Prepared By: S.F. Marks

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