

Material Safety Data Sheet

TC-880 FR PART B

Date of Preparation: 04/24/2003

Revision: 04/24/2003

Section 1 - Chemical Product and Company Identification

Product Name: TC-880 FR PART B

Product Class: Polyurethane curing agent

Chemical Type: Polyoxyalkylene glycols with dispersed 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 or (703) 527-3887

Section 2 - Composition / Information on Ingredients

Ingredient Name	CASRN	% wt
1. Polyoxyalkylene glycols	Proprietary	60-70
2. Polybromo-biphenyl compound	1163-19-5	<15
3. Antimony compound	1309-64-4	<10
4. Aryl mercuric carboxylate	26545-49-3	<0.2 (as Hg)

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	5 mg/m ³	NE	5 mg/m ³	NE	NE	NE	NE
#3	0.5 mg/m ³	NE	0.5 mg/m ³	NE	NE	NE	NE
#4	0.1 mg/m ³ (as Hg)	NE	0.1 mg/m ³ (as Hg)	NE	NE	NE	NE

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Appearance: Low viscosity, white liquid; Odor: Slight; Avoid skin contact. Avoid breathing vapors. May cause eye and skin irritation. Use in well-ventilated areas.

HMIS

H 2

F 1

R 1

PPE[†]

[†]Sec. 8

Potential Health Effects

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

Inhalation/Ingestion: Not likely. Excessive vapors caused by heat or spray mist can cause respiratory problems/Digestive tract irritation possible.

Eye: May cause irritation.

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

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) COC

Autoignition Temperature: N/A

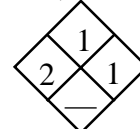
Flammability Classification: N/A

Extinguishing Media: Water spray, foam, dry chemical extinguisher, and carbon dioxide.

Unusual Fire or Explosion Hazards: None

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.

NFPA



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. (NOTE: California Proposition 65 prohibits contaminating any known source of drinking water with substances known to cause cancer and/or reproductive toxicity.)

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: 6 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 (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

Physical State: Liquid

Appearance and Odor: White; Slight odor

Vapor Pressure: Not determined

Specific Gravity (H₂O=1): 1.30

pH: N/A

Water Solubility: Negligible

Boiling Point: Not determined

Viscosity: 1050 cps

% Volatile: <0.1

V.O.C. (ref EPA meth 24): 2.5 gm/liter

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: Isocyanates, oxidizers, and mineral acids.

Hazardous Decomposition: N/A

Section 11- Toxicological Information

No Toxicological Information Available

Section 12 - Ecological Information

No Ecological Information Available

Section 13 - Disposal Considerations

Waste Disposal Method: 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: None

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

Polybromo-biphenyl compound	CAS Number – 1163-19-5	15% max
Antimony Compound	CAS Number – 1309-64-4	10% max

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

State Regulations:

This product contains the following substances subject to California Proposition 65 Cancer and/or Reproductive Toxicity warning and release requirements:

Antimony Oxide (Antimony Trioxide) (October 1, 1990)

Section 16 - Other Information

Reason for Issue: Revised section 15

Prepared By: S.F. Marks

Approval Date: 04/24/2003

Supersedes Date: 05/03/2000

Disclaimer: This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of BJB Enterprises, Inc. The data on this sheet relates only to the specific material designated herein. BJB Enterprises, Inc. assumes no legal responsibility for use or reliance upon these data.