

## SAFETY DATA SHEET



Date Issued : 09/11/2012  
 SDS No : TC-870 FR PART B  
 Date Revised : 04/27/2021  
 Revision No : 4

## TC-870 FR PART B

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** TC-870 FR PART B

**GENERAL USE:** Polyurethane curative

**MANUFACTURER**

BJB Enterprises, Inc.  
 14791 Franklin Avenue  
 Tustin, CA 92780  
**Emergency Phone:** (714) 734-8450

**24 HR. EMERGENCY TELEPHONE NUMBERS**

**CHEMTREC (USA & Canada):** (800) 424-9300  
 or (703) 527-3887 CCN# 2820

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS****Health:**

Acute Toxicity (Oral), Category 4  
 Skin Sensitization, Category 1  
 Target Organ Toxicity (Repeated exposure), Category 2

**Environmental:**

Acute Hazards to the Aquatic Environment, Category 1  
 Chronic Hazards to the Aquatic Environment, Category 1

**GHS LABEL**

Health hazard

Exclamation  
mark

Environment

**SIGNAL WORD: WARNING****HAZARD STATEMENTS**

H302: Harmful if swallowed.  
 H317: May cause an allergic skin reaction.  
 H373: May cause damage to organs through prolonged or repeated exposure.  
 H410: Very toxic to aquatic life with long lasting effects.

**PRECAUTIONARY STATEMENTS****Prevention:**

P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
 P264: Wash thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P280: Wear protective gloves.  
 P273: Avoid release to the environment.

**Response:**

P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.  
 P330: Rinse mouth.  
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

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P362+P364: Take off contaminated clothing and wash it before reuse.

P314: Get medical advice/attention if you feel unwell.

P391: Collect spillage.

**Disposal:**

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt. %	CAS
Tris(2-chloro-1-methylethyl) phosphate	30 - 60	13674-84-5
1,3-Benzenediamine, 4-methyl-2,6-bis(methylthio)-	25 - 40	102093-68-5
1,3-Benzenediamine, 2-methyl-4,6-bis(methylthio)-	5 - 15	104983-85-9
Diethylmethylbenzenediamine	1 - 5	68479-98-1

**4. FIRST AID MEASURES**

**EYES:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical advice/attention if irritation develops.

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical advice/attention if irritation or rash develops. Wash clothing before reuse.

**INGESTION:** If swallowed, call a physician immediately. Do not induce vomiting unless directed to do so by medical personnel. Provided the patient is conscious, wash out mouth with water. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove to fresh air. Seek medical advice/attention if breathing becomes difficult or if respiratory irritation develops.

**NOTES TO PHYSICIAN:** Symptomatic and supportive therapy as needed. Following severe exposure medical follow-up should be monitored for at least 48 hours.

**5. FIRE FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Water spray, carbon dioxide, dry chemical, or foam.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, phosphorus oxides, hydrogen chloride, and halogenated hydrocarbons.

**FIRE FIGHTING PROCEDURES:** Cool fire exposed containers with water spray. Remove containers from the 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.

**6. ACCIDENTAL RELEASE MEASURES**

**SPILL AND LEAK PROCEDURES:** Evacuate the area. Clean-up should only be performed by trained personnel. People dealing with a major spill should wear full protective clothing including appropriate respiratory protection. Prevent product spill from entering sewers or waterways. Neutralize small spills with a decontaminant.

**LARGE SPILL:** Contain and absorb large spills onto an inert, non-flammable adsorbent carrier (such as earth or sand). Shovel into open-top drums or plastic bags for further decontamination, if necessary. Wash the spill area clean with a liquid decontaminant. Remove and properly dispose of residues. Notify applicable government authorities if release is reportable. (See CERCLA in Section 15).

**ENVIRONMENTAL PRECAUTIONS**

**WATER SPILL:** Do not discharge into drains, surface waters, or groundwater.

**GENERAL PROCEDURES:** Refer to section 8 of SDS for personal protection details.

**RELEASE NOTES:** Composition and extent of any spill should be evaluated against local regulations and reported to the proper agencies, if necessary.

**7. HANDLING AND STORAGE**

**GENERAL PROCEDURES:** Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Avoid breathing vapor over open containers. Avoid open container exposure to damp air. Avoid breathing aerosols, mists, and vapors.

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**HANDLING:** Use appropriate personal protective equipment as specified in Section 8. Handle in a well-ventilated area. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

**STORAGE:** Store in a dry and well-ventilated place, away from excessive heat, in original or similar container. Avoid unnecessary contact. Protect from freezing. Containers should be tightly sealed to prevent contamination with foreign materials.

**STORAGE TEMPERATURE:** 65-80°F (18-27°C)

**SHELF LIFE:** 6 months from date of shipment under manufacturers recommended storage conditions.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Safety goggles or glasses are recommended. Plastic face shields should be used for complete face protection to protect against possible splashing or spraying of material. ANSI Z87.1 or approved equivalent.

**SKIN:** Chemical-resistant gloves and chemical goggles, face-shield, and synthetic apron or coveralls should be used to prevent contact with eyes, skin, or clothing. Wear nitrile or neoprene gloves. Chemical resistant gloves lined with polyethylene offer maximum protection.

**RESPIRATORY:** Exhaust ventilation recommended. An organic vapor cartridge or fresh air supplied respirator (NIOSH approved) 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).

**PROTECTIVE CLOTHING:** Protective clothing should be selected and used in accordance with "Guidelines for the Selection of Chemical Protective Clothing" published by ACGIH.

**WORK HYGIENIC PRACTICES:** Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited. Wash hands before eating.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Training is important. Follow all label precautions.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid

**ODOR:** Slight amine

**COLOR:** Amber

**pH:** No data available

**PERCENT VOLATILE:** 0.09

**FLASH POINT AND METHOD:** > 179.4°C (355°F) Pensky-Martens CC

**VAPOR PRESSURE:** No data available

**VAPOR DENSITY:** No data available

**BOILING POINT:** No data available

**SOLUBILITY IN WATER:** Slightly soluble

**SPECIFIC GRAVITY:** 1.24 (water=1) at 25°C (77°F)

**VISCOSITY #1:** 200 Centipoise at 25°C (77°F)

**(VOC):** < 1.2 g/l Calculated. Theoretical VOC minus water and exempt solvents.

**10. STABILITY AND REACTIVITY**

**REACTIVITY:** Hazardous reactions will not occur under normal transport or storage conditions.

**STABILITY:** This product is stable under normal ambient conditions of temperature and pressure.

**CONDITIONS TO AVOID:** High temperatures, moisture, and freezing conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:** No data available

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, phosphorus oxides, hydrogen chloride, and halogenated hydrocarbons.

**INCOMPATIBLE MATERIALS:** Isocyanates, strong acids, strong bases, and strong oxidizing agents.

**TC-870 FR PART B****11. TOXICOLOGICAL INFORMATION****ACUTE TOXICITY**

<b>Chemical Name</b>	<b>ORAL LD<sub>50</sub></b>	<b>DERMAL LD<sub>50</sub></b>	<b>INHALATION LC<sub>50</sub></b>
Tris(2-chloro-1-methylethyl) phosphate	< 2000 mg/kg Rat	> 5000 mg/kg Rabbit	> 7 mg/l Rat (4 h)
1,3-Benzenediamine, 4-methyl-2,6-bis(methylthio)-	No data available	No data available	No data available
1,3-Benzenediamine, 2-methyl-4,6-bis(methylthio)-	No data available	No data available	No data available
Diethylmethylbenzenediamine	> 500 mg/kg Rat	> 2000 mg/kg Rat	No data available

**SKIN CORROSION/IRRITATION:** No data available

**SERIOUS EYE DAMAGE/IRRITATION:** No data available

**RESPIRATORY OR SKIN SENSITISATION:** May cause sensitization by skin contact.

**GERM CELL MUTAGENICITY:** No data available

**REPRODUCTIVE TOXICITY:** No data available

**STOT-SINGLE EXPOSURE:** No data available

**STOT-REPEATED EXPOSURE:** May cause damage to organs through prolonged or repeated exposure.

**ASPIRATION HAZARD:** No data available

**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Avoid release to the environment.

**CHEMICAL FATE INFORMATION:** No data available

**BIOACCUMULATION/ACCUMULATION:** No data available

**ENVIRONMENTAL DATA:** This product may cause risk of hazardous effects to the environment.

**DISTRIBUTION:** No data available

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protections and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)**

**MARINE POLLUTANT #1:** Yes

**NOTE:** Not Regulated

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Environmentally hazardous substance, liquid, n.o.s.

**TECHNICAL NAME:** (6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine)

**UN/NA NUMBER:** UN3082

**PRIMARY HAZARD CLASS/DIVISION:** 9

**PACKING GROUP:** III

**ERG:** 9L

**LABEL:** Class 9 (miscellaneous hazardous materials)

**NOTE:** Applies ONLY to inner packaging exceeding 5L or more per container.

**VESSEL (IMO/IMDG)**

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**SHIPPING NAME:** Environmentally hazardous substance, liquid, n.o.s.  
**TECHNICAL NAME:** (6-Methyl-2,4-bis(methylthio)phenylene-1,3-diamine)  
**UN/NA NUMBER:** UN3082  
**PRIMARY HAZARD CLASS/DIVISION:** 9  
**PACKING GROUP:** III  
**EmS:** F-A, S-F  
**MARINE POLLUTANT #1:** Yes  
**LABEL:** Class 9 (miscellaneous hazardous materials)

**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HEALTH HAZARDS:** Acute Health Hazard, Chronic Health Hazard

**313 REPORTABLE INGREDIENTS:** This product does not contain any 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.

**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** This product contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Wt. %	CERCLA RQ
Naphthalene	< 0.001	100 lbs.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** This product contains Diethylmethylbenzenediamine (CAS No. 68479-98-1) which is subject to TSCA 12(b) export notification (40 CFR part 707, subpart D).

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

**OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)**

**29 CFR 1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS:** None of the chemicals in this product are considered highly hazardous by OSHA.

**CALIFORNIA PROPOSITION 65: ⚠ WARNING:** This product can expose you to chemicals including [see table below], which is [are] known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical Name	Wt. %	Listed
Naphthalene	< 0.001	● Cancer

**OSHA HAZARD COMM. RULE:** The contents of the SDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**CANADA**

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components in this product are listed in or exempted from the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).

**16. OTHER INFORMATION**

**REASON FOR ISSUE:** Revision

**Date Revised:** 04/27/2021

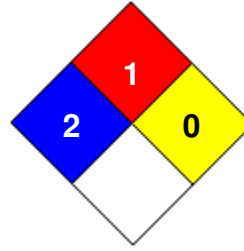
**REVISION SUMMARY:** This SDS replaces the 04/11/2018 SDS.

## TC-870 FR PART B

## HMIS RATING

HEALTH	*	2
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		X

## NFPA CODES



**HMIS RATINGS NOTES:** Personal Protection: See Section 8

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