

## SAFETY DATA SHEET



Date issued : 02/13/2014  
 SDS number : TC-1570 PART B  
 Date revised : 06/06/2022  
 Revision number : 3

## TC-1570 PART B

## 1. Identification

**Product identifier:** TC-1570 PART B

**Relevant identified uses:** Epoxy curing agent

**Manufacturer / Supplier**

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

**Emergency telephone number (24 hour)**

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

## 2. Hazard identification

**Classification of the substance or mixture****Health hazards:**

Acute Toxicity (Oral), Category 4  
 Acute Toxicity (Inhalation), Category 2  
 Skin Corrosion, Category 1  
 Serious Eye Damage, Category 1  
 Skin Sensitization, Category 1  
 Reproductive Toxicity, Category 1  
 Target Organ Toxicity (Single exposure), Category 3

**Environmental hazards:**

Chronic Hazards to the Aquatic Environment, Category 2

**Label elements**

Skull and  
crossbones



Corrosion



Health hazard



Environment

**Signal word:** DANGER

**Hazard statement(s)**

H302: Harmful if swallowed.  
 H330: Fatal if inhaled.  
 H314: Causes severe skin burns and eye damage.  
 H317: May cause an allergic skin reaction.  
 H360: May damage fertility or the unborn child.  
 H335: May cause respiratory irritation.  
 H411: Toxic to aquatic life with long lasting effects.

**Precautionary statement(s)****Prevention:**

P201: Obtain special instructions before use.  
 P202: Do not handle until all safety precautions have been read and understood.  
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
 P271: Use only outdoors or in a well-ventilated area.  
 P284: In case of inadequate ventilation wear respiratory protection.

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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/protective clothing/eye protection/face protection.

P273: Avoid release to the environment.

**Response:**

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P363: Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor/physician.

P308+P313: IF exposed or concerned: Get medical advice/ attention.

P391: Collect spillage.

**Storage:**

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

**Disposal:**

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

**3. Composition/information on ingredients**

Chemical name	% w/w	CAS No.
Polyamine adduct	30 - 60	Proprietary
1,2-Ethanediamine, N-(2-aminoethyl)-	15 - 40	111-40-0
4,4'-Isopropylidenediphenol	10 - 30	80-05-7

**4. First-aid measures**

**Eye:** 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.

**Skin:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention immediately. Wash clothing before reuse.

**Ingestion:** If swallowed, call a physician immediately. Do NOT induce vomiting. Provided the patient is conscious, wash out mouth with water. Never give anything by mouth to an unconscious person.

**Inhalation:** Remove to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get immediate medical attention.

**Indication of immediate medical attention and special treatment needed, if necessary:** Symptomatic and supportive therapy as needed. Following severe exposure medical follow-up should be monitored for at least 48 hours.

**5. Fire-fighting measures**

**Suitable extinguishing media:** Water spray, carbon dioxide, dry chemical, or alcohol-resistant foam.

**Hazardous combustion products:** Carbon monoxide, carbon dioxide, nitrogen oxides, nitric acid, ammonia, aldehydes, nitrosamine, and chlorine.

**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**

**Small spill:** Evacuate unnecessary personnel from the spill area. Wear necessary personal protective equipment (PPE) as specified in the SDS or the site emergency response plan. Eliminate all sources of ignition. Ensure adequate ventilation. Dike and contain spill. Prevent product from entering drains or waterways. Absorb with non-combustible material (such as sand, earth, diatomaceous earth, or vermiculite) and transfer to a

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container for disposal according to local/national regulations.

**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.

**Precautions for safe 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.

**Conditions for safe 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:** 12 months from date of shipment under manufacturers recommended storage conditions.

**8. Exposure controls/personal protection****Exposure controls**

Control parameters					
		Occupational exposure limit values			
Chemical name	Type	ppm	mg/m <sup>3</sup>		
1,2-Ethanediamine, N-(2-aminoethyl)-	OSHA PEL	TWA	1	4	
		STEL	-	-	
	ACGIH TLV	TWA	1	-	
		STEL	-	-	
	NIOSH REL	TWA	1 <sup>[1]</sup>	4 <sup>[1]</sup>	
		STEL	-	-	
<b>Footnotes:</b>					
1. Skin					

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

**Individual protection measures, such as personal protective equipment**

**Eye / face protection:** 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 protection - hand protection:** 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 protection:** 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).

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

**Occupational hygiene 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.

**TC-1570 PART B****9. Physical and chemical properties****Physical state:** Viscous liquid**Color:** Light yellow**Odor:** Irritating**pH:** Alkaline**Initial boiling point and boiling range:** No data available**Flash point:** 110°C (230°F)**Vapor pressure:** No data available**Relative vapor density:** No data available**Relative density:** 1.08 (water=1) at 25°C (77°F)**Solubility:** Soluble**Dynamic viscosity:** 3500 Centipoise at 25°C (77°F)**VOC content:** Nil**10. Stability and reactivity****Reactivity:** Hazardous reactions will not occur under normal transport or storage conditions.**Chemical stability:** This product is stable under normal ambient conditions of temperature and pressure.**Conditions to avoid:** No data available**Possibility of hazardous reactions:** No data available**Hazardous decomposition products:** Carbon monoxide, carbon dioxide, nitrogen oxides, nitric acid, ammonia, aldehydes, nitrosamine, and chlorine.**Incompatible materials:** Sodium hypochlorite, organic acids, mineral acids, oxidizing agents, and nitrous acid.**11. Toxicological information****Acute toxicity**

Chemical name	LD <sub>50</sub> (oral) mg/kg(rat)	LD <sub>50</sub> (dermal) mg/kg(rabbit)	LC <sub>50</sub> (inhalation) mg/l
Polyamine adduct	No data available	No data available	No data available
1,2-Ethanediamine, N-(2-aminoethyl)-	1080 mg/kg Rat	1090 mg/kg Rabbit	0.3 mg/l Rat (4 h aerosol)
4,4'-Isopropylidenediphenol	> 2000 mg/kg Rat	6400 mg/kg Rabbit	170 mg/m <sup>3</sup> Rat (6 h)

**Notes:** This product contains a component that is fatal by inhalation when aerosolized or sprayed. Please refer to the toxicity information and review against the intended use. If the product is not being aerosolized or sprayed, the inhalation toxicity may not be applicable.**Skin corrosion / irritation:** Causes severe skin burns.**Serious eye damage / irritation:** Causes serious eye damage.**Respiratory or skin sensitization:** May cause sensitization by skin contact.**Germ cell mutagenicity:** No data available**Reproductive toxicity:** May damage fertility or the unborn child.**Specific Target Organ Toxicity - single exposure:** May cause respiratory irritation.**Specific Target Organ Toxicity - repeated exposure:** No data available**Aspiration hazard:** No data available**12. Ecological information****Ecotoxicological information:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Avoid release to the environment.**Persistence and degradability:** No data available**Bioaccumulative potential:** No data available

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**Other adverse effects:** This product may cause risk of hazardous effects to the environment.

**Mobility in soil:** No data available

**13. Disposal considerations**

**Disposal methods:** 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****USA Department of Transport Regulations (DOT)**

**UN proper shipping name:** Amines, liquid, corrosive, n.o.s.

**Technical name:** Diethylenetriamine, 4,4'-isopropylidenediphenol

**UN number:** UN2735

**Transport hazard class(es):** 8

**Packing group:** II

**NAERG:** 153

**Hazard label:** Corrosive

**Environmental hazards - marine pollutant:** Yes

**ICAO / IATA - air**

**UN proper shipping name:** Amines, liquid, corrosive, n.o.s.

**Technical name:** Diethylenetriamine, 4,4'-isopropylidenediphenol

**UN number:** UN2735

**Transport hazard class(es):** 8

**Packing group:** II

**ERG:** 8L

**Hazard label:** Corrosive

**IMO / IMDG - sea**

**UN proper shipping name:** Amines, liquid, corrosive, n.o.s.

**Technical name:** Diethylenetriamine, 4,4'-isopropylidenediphenol

**UN number:** UN2735

**Transport hazard class(es):** 8

**Packing group:** II

**EmS:** F-A, S-B

**Environmental hazards - marine pollutant:** Yes

**Hazard label:** Corrosive

**15. Regulatory information****UNITED STATES****SARA Section 311/312 Hazard Categories**

**311/312 Health hazards:** Refer to Section 2 for hazard classification.

**313 reportable ingredients:** 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:

**TC-1570 PART B****EPCRA Section 313 Toxic Chemicals**

Chemical name	% w/w	CAS No.
4,4'-Isopropylidenediphenol	10 - 30	80-05-7

**CERCLA Hazardous Substances and Reportable Quantities (RQ)**

**CERCLA regulatory:** This product does not contain any substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).


**TSCA (The Toxic Substances Control Act)**

**TSCA regulatory:** This product does not contain any substances subject to TSCA Section 12(b) export notification.

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

**Occupational safety and health administration (osha)**

**29 cfr1910.119--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 birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical name	% w/w	Listed
4,4'-Isopropylidenediphenol	10 - 30	• Female Reproductive

**USA OSHA Hazard Communication Standard (29CFR 1910.1200):** The contents of the SDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**CANADA**

**WHMIS Regulatory Status:** 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 Substances List (DSL) / Non-Domestic Substances List (NDSL):** 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**

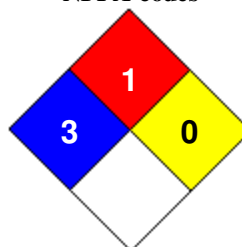
**Reason for issue:** Revision

**Date revised:** 06/06/2022

**Revision summary:** This SDS replaces the 02/13/2020 SDS.

**HMIS rating**

Health		3
Flammability		1
Physical hazard		0
Personal protection	X	

**NFPA codes**

**HMIS ratings notes:** Personal Protection: See Section 8

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