

SAFETY DATA SHEET



Date Issued : 09/24/2007
 SDS No : TC-9445 PART B
 Date Revised : 05/15/2018
 Revision No : 3

TC-9445 PART B

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TC-9445 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
 Acute Toxicity (Inhalation), Category 4
 Skin Irritation, Category 2
 Eye Irritation, Category 2A
 Respiratory Sensitization, Category 1
 Skin Sensitization, Category 1
 Carcinogenicity, Category 2
 Reproductive Toxicity, Category 1

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: DANGER**HAZARD STATEMENTS**

H302 + H332: Harmful if swallowed or if inhaled.
 H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H317: May cause an allergic skin reaction.
 H351: Suspected of causing cancer.
 H360: May damage fertility or the unborn child.
 H410: Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS**Prevention:**

P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.

TC-9445 PART B

- P261: Avoid breathing 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.
 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+P312: IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.
 P330: Rinse mouth.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER/doctor/physician.
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364: Take off contaminated clothing and wash it before reuse.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P308+P313: IF exposed or concerned: Get medical advice/ attention.
 P391: Collect spillage.

Storage:

- 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	Wt.%	CAS
Butyl benzyl phthalate (BBP)	40 - 70	85-68-7
4,4'-methylenebis(2-ethylaniline)	10 - 30	19900-65-3
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	1 - 5	9046-10-0

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 immediate medical attention.
- SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical 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 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 alcohol-resistant foam.
- HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, carbon dioxide, and nitrogen oxides.
- 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.

TC-9445 PART B**6. ACCIDENTAL RELEASE MEASURES**

SPILL AND LEAK PROCEDURES: Evacuate unnecessary personnel from the spill area. Eliminate all sources of ignition. Ensure adequate ventilation. Use personal protective equipment. 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 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.

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

TC-9445 PART B

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Butyl benzyl phthalate (BBP)	OSHA PEL	TWA	-	-
		STEL	-	-
	ACGIH TLV	TWA	-	-
		STEL	-	-
	NIOSH REL	TWA	-	-
		STEL	-	-
4,4'-methylenebis(2-ethylaniiline)	OSHA PEL	TWA	-	-
		STEL	-	-
	ACGIH TLV	TWA	-	-
		STEL	-	-
	NIOSH REL	TWA	-	-
		STEL	-	-
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	OSHA PEL	TWA	-	-
		STEL	-	-
	ACGIH TLV	TWA	-	-
		STEL	-	-
	NIOSH REL	TWA	-	-
		STEL	-	-

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: Slightly sweet

COLOR: Amber

pH: No data available

TC-9445 PART B**PERCENT VOLATILE:** Nil**FLASH POINT AND METHOD:** 185°C (365°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:** 1.1 (water=1) at 25°C (77°F)**VISCOSITY #1:** 125 Centipoise at 25°C (77°F)**(VOC):** Nil**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 ignition sources.**POSSIBILITY OF HAZARDOUS REACTIONS:** No data available**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, and nitrogen oxides.**INCOMPATIBLE MATERIALS:** Isocyanates and strong oxidizing agents.**11. TOXICOLOGICAL INFORMATION****ACUTE TOXICITY**

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
Butyl benzyl phthalate (BBP)	2330 mg/kg Rat	> 5000 mg/kg Rabbit	No data available
4,4'-methylenebis(2-ethylaniline)	No data available	No data available	No data available
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	475 mg/kg Rat	2090 mg/kg Rabbit	No data available

SKIN CORROSION/IRRITATION: Causes skin irritation.**SERIOUS EYE DAMAGE/IRRITATION:** Causes serious eye irritation.**RESPIRATORY OR SKIN SENSITISATION:** May cause sensitization by inhalation and skin contact.**GERM CELL MUTAGENICITY:** No data available**CARCINOGENICITY**

Chemical Name	IARC Status
Butyl benzyl phthalate (BBP)	3

REPRODUCTIVE TOXICITY: May damage fertility or the unborn child.**STOT-SINGLE EXPOSURE:** No data available**STOT-REPEATED EXPOSURE:** No data available**ASPIRATION HAZARD:** No data available**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL DATA:** This product may cause risk of hazardous effects to the environment.**ECOTOXICOLOGICAL INFORMATION:** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Avoid release to the environment.**BIOACCUMULATION/ACCUMULATION:** No data available

TC-9445 PART B**DISTRIBUTION:** No data available**CHEMICAL FATE INFORMATION:** 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)****PROPER SHIPPING NAME:** Environmentally hazardous substance, liquid, n.o.s. (**See Note**)**TECHNICAL NAME:** (butyl benzyl phthalate)**PRIMARY HAZARD CLASS/DIVISION:** 9**UN/NA NUMBER:** UN3082**PACKING GROUP:** III**NAERG:** 171**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** 100 lbs. of butyl benzyl phthalate**LABEL:** Class 9 (miscellaneous hazardous materials)**MARINE POLLUTANT #1:** Yes**OTHER SHIPPING INFORMATION:** Applies ONLY to containers with a RQ of butyl benzyl phthalate (100 lbs.), otherwise not regulated.**AIR (ICAO/IATA)****SHIPPING NAME:** Environmentally hazardous substance, liquid, n.o.s. (**See Note**)**TECHNICAL NAME:** (butyl benzyl phthalate)**UN/NA NUMBER:** UN3082**PRIMARY HAZARD CLASS/DIVISION:** 9**PACKING GROUP:** III**ERG:** 9L**LABEL:** Class 9 (miscellaneous hazardous materials)**NOTE:** Applies ONLY to containers with a RQ of butyl benzyl phthalate (100 lbs.), otherwise not regulated.**VESSEL (IMO/IMDG)****SHIPPING NAME:** Environmentally hazardous substance, liquid, n.o.s.**TECHNICAL NAME:** (butyl benzyl phthalate)**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 HAZARD CATEGORIES:** Acute Health Hazard, Chronic Health Hazard**313 REPORTABLE INGREDIENTS:** This product does not contain any substances subject to the reporting requirements of Section

TC-9445 PART B

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: For this/these chemicals, release of more than the Reportable Quantity to the environment in a 24-hour period requires notification to the National Response Center (800-424-8802 or 202-426-2675):

Chemical Name	Wt.%	CERCLA RQ
Butyl benzyl phthalate (BBP)	40 - 70	100 lbs.

TSCA (TOXIC SUBSTANCE 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 known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Chemical Name	Wt.%	Listed
Butyl benzyl phthalate (BBP)	40 - 70	Developmental Toxicity

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).

GENERAL COMMENTS:

BBP RESTRICTIONS: This product contains butyl benzyl phthalate (BBP), CAS# 85-68-7 EINECS# 201-622-7. In the U.S., there is a Prohibition on the Sale of Certain Products Containing Phthalates. Children's toys or child care articles shall not contain above 0.1 percent by weight (one thousand parts per million) of BBP [H.R. 4040, The Consumer Safety Improvement Act of 2008]. In the EU, BBP shall not be used as substance or as constituents of preparations, at concentrations of greater than 0.1 percent by weight (one thousand parts per million) of the plasticized material, in toys and child care articles. Such toys and childcare articles containing BBP in concentrations greater than the limit mentioned above shall not be placed on the market [Directive 2005/84/EC].

16. OTHER INFORMATION

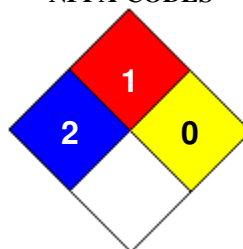
REASON FOR ISSUE: Revision

Date Revised: 05/15/2018

REVISION SUMMARY: This SDS replaces the 05/19/2015 SDS.

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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