

SAFETY DATA SHEET



Date Issued : 05/15/2008
 SDS No : TC-318 PART B
 Date Revised : 10/10/2018
 Revision No : 2

TC-318 PART B

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TC-318 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:**

Eye Irritation, Category 2A

Physical:

Flammable Liquids, Category 4

GHS LABEL

Exclamation
 mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H227: Combustible liquid.

H319: Causes serious eye irritation.

PRECAUTIONARY STATEMENTS**Prevention:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P370+P378: In case of fire: Use water spray, carbon dioxide, dry chemical, or foam for extinction.

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.

Storage:

P403: Store in a well-ventilated place.

Disposal:

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

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| Chemical Name | Wt.% | CAS |
|--|-----------|-------------|
| Hydroxy terminated poly(oxyalkylated) polyol | 15 - 40 | 102-60-3 |
| Polyether polyol mixture | 10 - 30 | Proprietary |
| 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich | 10 - 30 | 68515-49-1 |
| Solvent naphtha (petroleum), heavy aromatic | 5 - 10 | 64742-94-5 |
| Naphthalene | < 0.1 | 91-20-3 |
| Benzene | < 0.00001 | 71-43-2 |

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 foam.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and carbon dioxide.

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.

SENSITIVE TO STATIC DISCHARGE: This material can accumulate static charges which can cause an incendiary electrical discharge.

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: Keep away from sources of ignition. 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 the original or similar container. Avoid sources of ignition and incompatible materials. Protect from freezing. Containers should be tightly sealed to prevent contamination with foreign materials. Avoid unnecessary contact.

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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

EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) | | | | |
|--|-----------------|------|-------------------|----|
| Chemical Name | EXPOSURE LIMITS | | | |
| | Type | ppm | mg/m ³ | |
| Hydroxy terminated poly(oxyalkylated) polyol | OSHA PEL | TWA | - | - |
| | | STEL | - | - |
| | ACGIH TLV | TWA | - | - |
| | | STEL | - | - |
| | NIOSH REL | TWA | - | - |
| | | STEL | - | - |
| Polyether polyol mixture | OSHA PEL | TWA | - | - |
| | | STEL | - | - |
| | ACGIH TLV | TWA | - | - |
| | | STEL | - | - |
| | NIOSH REL | TWA | - | - |
| | | STEL | - | - |
| 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich | OSHA PEL | TWA | - | - |
| | | STEL | - | - |
| | ACGIH TLV | TWA | - | - |
| | | STEL | - | - |
| | NIOSH REL | TWA | - | - |
| | | STEL | - | - |
| Solvent naphtha (petroleum), heavy aromatic | OSHA PEL | TWA | - | - |
| | | STEL | - | - |
| | ACGIH TLV | TWA | - | - |
| | | STEL | - | - |
| | NIOSH REL | TWA | - | - |
| | | STEL | - | - |
| Naphthalene | OSHA PEL | TWA | 10 | 50 |
| | | STEL | - | - |
| | ACGIH TLV | TWA | 10 | 52 |
| | | STEL | 15 | 79 |
| | NIOSH REL | TWA | 10 | 50 |
| | | STEL | 15 | 75 |
| | OSHA PEL | TWA | 1 | - |

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| | | | | |
|---------|-----------|-----------|-----|-------|
| Benzene | OSHA PEL | STEL | 5 | - |
| | | ACGIH TLV | TWA | 0.5 |
| | STEL | | 2.5 | - |
| | NIOSH REL | TWA | 0.1 | 0.319 |
| | | STEL | 1 | 3.19 |

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 aromatic

COLOR: Colorless

pH: No data available

PERCENT VOLATILE: 6.6

FLASH POINT AND METHOD: 76.7°C (170°F) Pensky-Martens CC

VAPOR PRESSURE: No data available

VAPOR DENSITY: No data available

BOILING POINT: No data available

SOLUBILITY IN WATER: Partially soluble

SPECIFIC GRAVITY: 0.94 (water=1) at 25°C (77°F)

VISCOSITY #1: 525 Centipoise at 25°C (77°F)

(VOC): < 62.1 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 and carbon dioxide.

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

11. TOXICOLOGICAL INFORMATION

TC-318 PART B**ACUTE TOXICITY**

| Chemical Name | ORAL LD ₅₀ | DERMAL LD ₅₀ | INHALATION LC ₅₀ |
|--|-----------------------|-------------------------|-----------------------------|
| Hydroxy terminated poly(oxyalkylated) polyol | 3280 mg/kg Rat | > 2000 mg/kg Rabbit | No data available |
| Polyether polyol mixture | No data available | No data available | No data available |
| 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich | > 10 g/kg Rat | > 3.16 g/kg Rabbit | > 0.13 mg/l Rat |
| Solvent naphtha (petroleum), heavy aromatic | > 5000 mg/kg Rat | > 2000 mg/kg Rabbit | No data available |
| Naphthalene | 490 mg/kg Rat | 20000 mg/kg Rabbit | > 0.4 mg/l Rat (4 h) |
| Benzene | > 5960 mg/kg Rat | 8263 mg/kg Rabbit | 43.7 mg/l Rat (4 h) |

SKIN CORROSION/IRRITATION: No data available

SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye irritation.

RESPIRATORY OR SKIN SENSITISATION: No data available

GERM CELL MUTAGENICITY: No data available

CARCINOGENICITY

| Chemical Name | NTP Status | IARC Status |
|---------------|------------|-------------|
| Naphthalene | 2 | 2B |
| Benzene | 1 | 1 |

REPRODUCTIVE TOXICITY: No data available

STOT-SINGLE EXPOSURE: No data available

STOT-REPEATED EXPOSURE: No data available

ASPIRATION HAZARD: No data available

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available

ECOTOXICOLOGICAL INFORMATION: No specific ecological data are available for this product. Refer to Section 6 for information regarding accidental release and Section 15 for regulatory reporting information.

BIOACCUMULATION/ACCUMULATION: No data available

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.

EMPTY CONTAINER: Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.**

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION): Not Regulated

AIR (ICAO/IATA): Not Regulated

VESSEL (IMO/IMDG): Not Regulated

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15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Acute Health Hazard, Fire 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 | < 0.1 | 100 lbs. |
| Benzene | < 0.00001 | 10 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 are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

| Chemical Name | Wt.% | Listed |
|--|-----------|---|
| 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich | 10 - 30 | Developmental Toxicity |
| Naphthalene | < 0.1 | Cancer |
| Benzene | < 0.00001 | <ul style="list-style-type: none"> ● Cancer ● Developmental Toxicity ● Male Reproductive |

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:

DIDP RESTRICTIONS: This product contains diisodecyl phthalate (DIDP), CAS# 68515-49-1 EINECS# 271-091-4. In the U.S., there is an interim prohibition on DIDP above 0.1 percent by weight (one thousand parts per million) in toys intended for children age 12 and under that can be placed in a child's mouth and child care articles for children age 3 and under [H.R. 4040, The Consumer Safety Improvement Act of 2008]. In the EU, DIDP 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 which can be placed in the mouth by children. Such toys and child care articles containing DIDP 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: 10/10/2018

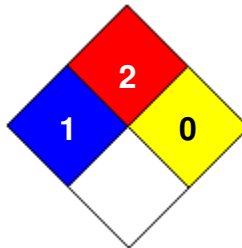
REVISION SUMMARY: This SDS replaces the 10/14/2015 SDS.

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HMIS RATING

| | | |
|---------------------|--------------------------|---|
| HEALTH | <input type="checkbox"/> | 1 |
| FLAMMABILITY | | 2 |
| PHYSICAL HAZARD | | 0 |
| PERSONAL PROTECTION | | X |

NFPA CODES



HMIS RATINGS NOTES: Personal Protection: See Section 8

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