

SAFETY DATA SHEET



Date Issued : 12/08/2008
SDS No : TC-1630 PART B
Date Revised : 12/27/2019
Revision No : 4

TC-1630 PART B

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TC-1630 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:

Carcinogenicity, Category 2
 Reproductive Toxicity, Category 2

Physical:

Flammable Liquids, Category 4

GHS LABEL



Health hazard

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H227: Combustible liquid.
 H351: Suspected of causing cancer.
 H361: Suspected of damaging fertility or the unborn child.

PRECAUTIONARY STATEMENTS

Prevention:

P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 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.
 P308+P313: IF exposed or concerned: Get medical advice/ attention.

Storage:

P403: Store in a well-ventilated place.
 P405: Store locked up.

Disposal:

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

TC-1630 PART B**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Soda Lime Borosilicate Glass	30 - 60	65997-17-3
Polyether polyol mixture	10 - 30	Proprietary
Hydroxy terminated poly(oxyalkylated) polyol	5 - 10	102-60-3
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate	5 - 10	6846-50-0
Solvent naphtha (petroleum), heavy aromatic	5 - 10	64742-94-5
Calcium metasilicate	1 - 5	13983-17-0
Solvent naphtha (petroleum), medium aliphatic	1 - 5	64742-88-7
Titanium dioxide (TiO ₂)	0.1 - 1	13463-67-7
Silica, Crystalline	0.1 - 1	14808-60-7

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. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get immediate medical attention.

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, 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.

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

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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.

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

SHELF LIFE: 3 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
Soda Lime Borosilicate Glass	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	-	-
Hydroxy terminated poly(oxyalkylated) polyol	OSHA PEL	TWA	-	-
		STEL	-	-
	ACGIH TLV	TWA	-	-
		STEL	-	-
	NIOSH REL	TWA	-	-
		STEL	-	-
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate	OSHA PEL	TWA	-	-
		STEL	-	-
	ACGIH TLV	TWA	-	-
		STEL	-	-
	NIOSH REL	TWA	-	-
		STEL	-	-
	OSHA PEL	TWA	-	-

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Solvent naphtha (petroleum), heavy aromatic	OSHA PEL	STEL	-	-
		ACGIH TLV	TWA	-
	STEL		-	-
	NIOSH REL	TWA	-	-
		STEL	-	-
	Calcium metasilicate	OSHA PEL	TWA	-
STEL			-	-
ACGIH TLV		TWA	-	-
		STEL	-	-
NIOSH REL		TWA	-	-
		STEL	-	-
Solvent naphtha (petroleum), medium aliphatic	OSHA PEL	TWA	-	-
		STEL	-	-
	ACGIH TLV	TWA	-	-
		STEL	-	-
	NIOSH REL	TWA	-	-
		STEL	-	-
Titanium dioxide (TiO ₂)	OSHA PEL	TWA	- ^[1]	15 ^[1]
		STEL	-	-
	ACGIH TLV	TWA	-	10
		STEL	-	-
	NIOSH REL	TWA	-	-
		STEL	-	-
Silica, Crystalline	OSHA PEL	TWA	-	0.1
		STEL	-	-
	ACGIH TLV	TWA	- ^[2]	0.025 ^[2]
		STEL	-	-
	NIOSH REL	TWA	-	0.05
		STEL	-	-

Footnotes:

1. Total dust

2. Respirable fraction

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

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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: Aromatic hydrocarbon

COLOR: White

pH: No data available

FLASH POINT AND METHOD: 63.3°C (146°F) Pinsky-Martens CC

VAPOR PRESSURE: No data available

VAPOR DENSITY: No data available

BOILING POINT: No data available

SOLUBILITY IN WATER: Slightly soluble

SPECIFIC GRAVITY: 1.6 (water=1) at 25°C (77°F)

VISCOSITY #1: 1300 Centipoise at 25°C (77°F)

(VOC): < 137.8 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 ignition sources.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, and nitrogen oxides.

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

11. TOXICOLOGICAL INFORMATION**ACUTE TOXICITY**

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
Soda Lime Borosilicate Glass	No data available	No data available	No data available
Polyether polyol mixture	No data available	No data available	No data available
Hydroxy terminated poly(oxyalkylated) polyol	3280 mg/kg Rat	> 2000 mg/kg Rabbit	No data available
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate	> 2000 mg/kg Rat	> 2000 mg/kg Guinea Pig	> 0.12 mg/l Rat (6 h)
Solvent naphtha (petroleum), heavy aromatic	> 5000 mg/kg Rat	> 2000 mg/kg Rabbit	No data available
Calcium metasilicate	No data available	No data available	No data available
Solvent naphtha (petroleum), medium aliphatic	No data available	No data available	No data available
Titanium dioxide (TiO ₂)	> 10000 mg/kg Rat	No data available	> 6.82 mg/l Rat (4 h)
Silica, Crystalline	No data available	No data available	No data available

SKIN CORROSION/IRRITATION: No data available

SERIOUS EYE DAMAGE/IRRITATION: No data available


TC-1630 PART B**RESPIRATORY OR SKIN SENSITISATION:** No data available**GERM CELL MUTAGENICITY:** No data available**CARCINOGENICITY**

Chemical Name	NTP Status	IARC Status
Calcium metasilicate		3
Titanium dioxide (TiO ₂)		2B
Silica, Crystalline	1	1

REPRODUCTIVE TOXICITY: Suspected of damaging 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:** 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.**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION):** Not Regulated**AIR (ICAO/IATA):** Not Regulated**VESSEL (IMO/IMDG):** Not Regulated**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HEALTH HAZARDS:** Refer to Section 2 for hazard classification.**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 does not contain any substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).**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

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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.

Chemical Name	Wt. %	Listed
Titanium dioxide (TiO ₂)	0.1 - 1	● Cancer
Naphthalene	< 0.1	● Cancer
Ethyl acrylate	< 0.0001	● 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).

GENERAL COMMENTS: No data available

16. OTHER INFORMATION

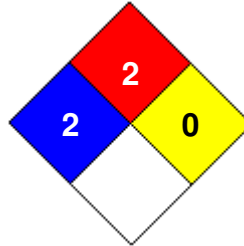
REASON FOR ISSUE: Revision

Date Revised: 12/27/2019

REVISION SUMMARY: This SDS replaces the 01/05/2017 SDS.

HMIS RATING

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		X

NFPA CODES

HMIS RATINGS NOTES: Personal Protection: See Section 8

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