

SAFETY DATA SHEET



Date Prepared : 08/05/2010
 SDS No : TC-89 PRIMER PART B
 Date Revised : 03/08/2018
 Revision No : 3

TC-89 PRIMER PART B

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TC-89 PRIMER PART B

GENERAL USE: Polyurethane primer

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
 Eye Irritation, Category 2A

Physical:

Flammable Liquids, Category 2

GHS LABEL



Flame



Exclamation
 mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.
 H302: Harmful if swallowed.
 H319: Causes serious eye irritation.

PRECAUTIONARY STATEMENTS

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233: Keep container tightly closed.
 P240: Ground and bond container and receiving equipment.
 P241: Use explosion-proof electrical/ventilating/lighting/material-handling equipment.
 P242: Use non-sparking tools.
 P243: Take action to prevent static discharges.
 P264: Wash thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

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

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

P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.

P330: Rinse mouth.

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+P235: Store in a well-ventilated place. Keep cool.

Disposal:

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Wt.% | CAS |
|------------------------|----------|----------|
| Methyl propyl ketone | 60 - 100 | 107-87-9 |
| Methyl isobutyl ketone | 5 - 10 | 108-10-1 |

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 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. 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

GENERAL HAZARD: Flammable liquid and vapor.

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

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and carbon dioxide.

EXPLOSION HAZARDS: Vapors may cause a flash fire or ignite explosively. Vapors may travel along the ground and reach remote ignition sources causing a flashback fire danger.

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

SMALL SPILL: Eliminate sources of ignition. 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). Do not use combustible materials such as saw dust. Use only spark resistant and explosion proof recovery devices. 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).

TC-89 PRIMER PART B**ENVIRONMENTAL PRECAUTIONS**

WATER SPILL: Do not discharge into drains or rivers.

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 in a well ventilated area. Avoid heat, sparks, and open flames. Avoid breathing vapor and contact with eyes, skin, and clothing. Use appropriate personal protective equipment as specified in Section 8. 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: 6 months from date of shipment under manufacturers recommended storage conditions.

ELECTROSTATIC ACCUMULATION HAZARD: This material can accumulate static charges which can cause an incendiary electrical discharge. Use proper bonding and/or grounding procedures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**EXPOSURE GUIDELINES**

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) | | | | |
|---|--------------|------|-----|-------------------|
| EXPOSURE LIMITS | | | | |
| Chemical Name | Type | | ppm | mg/m ³ |
| Methyl propyl ketone | OSHA PEL | TWA | 200 | 700 |
| | | STEL | - | - |
| | ACGIH TLV | TWA | 150 | 530 |
| | | STEL | - | - |
| | NIOSH REL | TWA | 150 | 530 |
| | Supplier OEL | STEL | - | - |
| Methyl isobutyl ketone | OSHA PEL | TWA | 100 | 410 |
| | | STEL | - | - |
| | ACGIH TLV | TWA | 20 | - |
| | | STEL | 75 | - |
| | NIOSH REL | TWA | 50 | 205 |
| | | STEL | 75 | 300 |

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

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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: Ketone

COLOR: Colorless

pH: No data available

PERCENT VOLATILE: 100

FLASH POINT AND METHOD: 7.8°C (46°F) TAG CC

FLAMMABLE LIMITS: 1.56%(V) to 8.7%(V)

AUTOIGNITION TEMPERATURE: 450°C (842°F)

VAPOR PRESSURE: 27.8 mmHg at 20°C (68°F)

VAPOR DENSITY: 2.9 (Air=1)

BOILING POINT: 101°C (213.8°F)

SOLUBILITY IN WATER: Moderately soluble

EVAPORATION RATE: 2.3

SPECIFIC GRAVITY: 0.81 (water=1) at 20°C (68°F)

VISCOSITY #1: 0.61 mPa.s at 20°C (68°F)

(VOC): 610 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: Avoid heat, sparks, open flames and other ignition sources.

POSSIBILITY OF HAZARDOUS REACTIONS: May form peroxides of unknown stability.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION**ACUTE TOXICITY**

| Chemical Name | ORAL LD ₅₀ | DERMAL LD ₅₀ | INHALATION LC ₅₀ |
|------------------------|-----------------------|-------------------------|-----------------------------|
| Methyl propyl ketone | 1600 mg/kg Rat | > 20 ml/kg Guinea Pig | 25.5 mg/l Rat (4 h) |
| Methyl isobutyl ketone | 2080 mg/kg Rat | > 10 ml/kg Rabbit | 2000 to 4000 ppm Rat (4 h) |

SKIN CORROSION/IRRITATION: No data available

SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye irritation.

RESPIRATORY OR SKIN SENSITISATION: No data available

TC-89 PRIMER PART B**GERM CELL MUTAGENICITY:** No data available**CARCINOGENICITY**

| Chemical Name | IARC Status |
|------------------------|-------------|
| Methyl isobutyl ketone | 2B |

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)****PROPER SHIPPING NAME:** Ketones, liquid, n.o.s.**TECHNICAL NAME:** (methyl propyl ketone, methyl isobutyl ketone)**PRIMARY HAZARD CLASS/DIVISION:** 3**UN/NA NUMBER:** UN1224**PACKING GROUP:** II**NAERG:** 127**LABEL:** Flammable liquid**ROAD AND RAIL (ADR/RID)****UN NUMBER:** UN1224**AIR (ICAO/IATA)****SHIPPING NAME:** Ketones, liquid, n.o.s.**TECHNICAL NAME:** (methyl propyl ketone, methyl isobutyl ketone)**UN/NA NUMBER:** UN1224**PRIMARY HAZARD CLASS/DIVISION:** 3**PACKING GROUP:** II**ERG:** 3L

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LABEL: Flammable liquid

VESSEL (IMO/IMDG)

SHIPPING NAME: Ketones, liquid, n.o.s.

TECHNICAL NAME: (methyl propyl ketone, methyl isobutyl ketone)

UN/NA NUMBER: UN1224

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

EmS: F-E, S-D

LABEL: Flammable liquid

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

311/312 HAZARD CATEGORIES: Acute Health Hazard, Chronic Health Hazard, Fire Hazard

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:

EPCRA SECTION 313 SUPPLIER NOTIFICATION

| Chemical Name | Wt. % | CAS |
|------------------------|--------|----------|
| Methyl isobutyl ketone | 5 - 10 | 108-10-1 |

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 |
|------------------------|--------|-----------|
| Methyl isobutyl ketone | 5 - 10 | 5,000 |


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 which are known to the State of California to cause cancer, birth defects and/or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

| Chemical Name | Wt. % | Listed |
|------------------------|--------|--------|
| Methyl isobutyl ketone | 5 - 10 | 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).

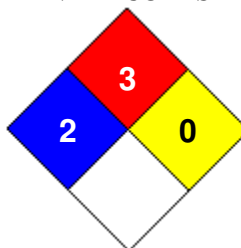
GENERAL COMMENTS: No data available

16. OTHER INFORMATION

REASON FOR ISSUE: Revision

TC-89 PRIMER PART B**Date Revised:** 03/08/2018**REVISION SUMMARY:** This SDS replaces the 03/02/2015 SDS.**HMIS RATING**

| | | |
|----------------------------|---|----------|
| HEALTH | * | 2 |
| FLAMMABILITY | | 3 |
| PHYSICAL HAZARD | | 0 |
| PERSONAL PROTECTION | | X |

NFPA CODES**HMIS RATINGS NOTES:** Personal Protection: See Section 8**MANUFACTURER DISCLAIMER:** This information is furnished without warranty, expressed or implied, except that is accurate to the best knowledge of BJB Enterprises, Inc. The data on this sheet relates only to the specific material designated herein. BJB Enterprises, Inc. assumes no legal responsibility for use or reliance upon this data.