SAFETY DATA SHEET

Date issued : 08/05/2010
SDS number : TC-89 PRIMER PART B
Date revised : 04/30/2024
Revision number : 5

TC-89 PRIMER PART B

1. Identification

Product identifier: TC-89 PRIMER PART B
Relevant identified uses: Polyurethane primer

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
Eye Irritation, Category 2A

Physical hazards:

Flammable Liquids, Category 2

Label elements


Flame


Exclamation mark

Signal word: DANGER

Hazard statement(s)

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

Precautionary statement(s)

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.
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	% w/w	CAS No.
Methyl propyl ketone	80 - 100	107-87-9
Methyl isobutyl ketone	5 - 10	108-10-1

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 advice/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.

Most important symptoms and effects, both acute and delayed

Eye: Causes serious eye irritation.

Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.

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

General hazard: Flammable liquid and vapor.

Suitable 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.

Sensitivity 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).

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.

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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.

Precautions for safe 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.

Conditions for safe 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 controls

Control parameters				
	Occupational exposure limit values			
Chemical name	**Type**		**ppm**	**mg/m³**
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

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, EN 166, 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. Select gloves in accordance with EU standard EN 374 and eye protection in accordance with EU standard EN 166.

Respiratory protection: Exhaust ventilation recommended. An organic vapor cartridge or fresh air supplied respirator 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. Select in accordance with EU Standard EN 140 or EN 136, or other applicable regulations and good industrial hygene practice.

Skin protection - other: Wear protective clothing as needed to avoid skin contact.

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.

9. Physical and chemical properties

Physical state: Liquid

Color: Colorless

Odor: Ketone

pH: No data available

Initial boiling point and boiling range: 101°C (213.8°F)

Flash point: 7.8°C (46°F) TAG CC

Evaporation rate (n-butyl acetate = 1): 2.3

Lower explosion limit / flammability limit: 1.56%(V)

Upper explosion limit / flammability limit: 8.7%(V)

Vapor pressure: 27.8 mmHg at 20°C (68°F)

Relative vapor density: 2.9 (Air=1)

Relative density: 0.81 (water=1) at 20°C (68°F)

Solubility: Moderately soluble

Auto-ignition temperature: 450°C (842°F)

Dynamic viscosity: 0.61 mPa.s at 20°C (68°F)

Percent volatiles: 100

VOC content: 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.

Chemical 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	LD_{50} (oral) mg/kg(rat)	LD_{50} (dermal) mg/kg(rabbit)	LC_{50} (inhalation) mg/l
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 sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity

Chemical name	IARC
Methyl isobutyl ketone	2B

Notes: Suspected of causing cancer.

Reproductive toxicity: No data available

Specific Target Organ Toxicity - single exposure: No data available

Specific Target Organ Toxicity - repeated exposure: No data available

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Aspiration hazard: No data available

12. Ecological information

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.

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Environmental data: No data available

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.

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.

European waste catalogue: EU Waste Code (as sold): 160508 Discarded organic chemicals consisting of or containing dangerous substances.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Ketones, liquid, n.o.s.

Technical name: (methyl propyl ketone, methyl isobutyl ketone)

UN number: UN1224

Transport hazard class(es): 3

Packing group: II

NAERG: 127

Hazard label: Flammable liquid

ADR / RID - road / rail

UN number: UN1224

ICAO / IATA - air

UN proper shipping name: Ketones, liquid, n.o.s.

Technical name: (methyl propyl ketone, methyl isobutyl ketone)

UN number: UN1224

Transport hazard class(es): 3

Packing group: II

ERG: 3L

Hazard label: Flammable liquid

IMO / IMDG - sea

UN proper shipping name: Ketones, liquid, n.o.s.

Technical name: (methyl propyl ketone, methyl isobutyl ketone)

UN number: UN1224

Transport hazard class(es): 3

Packing group: II

EmS: F-E, S-D

Hazard label: Flammable liquid

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15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: 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 Toxic Chemicals

Chemical name	% w/w	CAS No.
Methyl isobutyl ketone	5 - 10	108-10-1

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).

CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical name	% w/w	CERCLA rq
Methyl isobutyl ketone	5 - 10	5,000

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 cancer. For more information, go to www.P65Warnings.ca.gov.

Chemical name	% w/w	Listed
Methyl isobutyl ketone	5 - 10	• Cancer

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

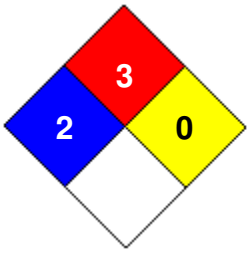
Date revised: 04/30/2024

Revision summary: This SDS replaces the 04/06/2021 SDS.

HMIS rating

Health	*	2
Flammability		3
Physical hazard		0
Personal protection		X

NFPA codes



HMIS ratings notes: Personal Protection: See Section 8

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