MATERIAL SAFETY DATA SHEET

Date Issued: 04/18/2008
MSDS No: SC-89 SERIES (89-5, 89-6, 89-40)
Date-Revised: 05/08/2008
Revision No: 1

SC-89 SERIES (89-5, 89-6, 89-40)

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SC-89 SERIES (89-5, 89-6, 89-40)
GENERAL USE: Polyurethane coatings
CHEMICAL FAMILY: Aliphatic urethane resin in solvent blend

MANUFACTURER

BJB Enterprises, Inc.
14791 Franklin Avenue
Tustin, CA 92780
Customer Service Number: (714) 734-8450
Fax: (714) 734-8929

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation): (800) 424-9300
or (703) 527-3887

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear to tinted liquid with mild solvent odor.

IMMEDIATE CONCERNS: WARNING! Flammable Liquid. Keep away from heat, sparks, and flames. Vapors can travel to a source of ignition and flash back. Unvented containers may develop pressure on prolonged exposure to heat. Eye irritation or injury may result from exposure to this product. Prolonged contact may cause skin irritation. May be harmful if swallowed.

POTENTIAL HEALTH EFFECTS

EYES: May cause irritation, tearing, reddening, and swelling.

SKIN: Prolonged or repeated contact may cause skin irritation.

INGESTION: May be harmful if swallowed.

INHALATION: Harmful if inhaled. Prolonged, repeated, or high exposures may cause weakness and depression of the central nervous system. In extreme cases, drowsiness and possibly loss of consciousness may occur. Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membrane). This product may cause nose and throat irritation. May affect the brain or nervous system causing dizziness, headache or nausea.

MEDICAL CONDITIONS AGGRAVATED: Preexisting disorders of the following organs may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions), liver, and kidney.

ROUTES OF ENTRY: Eye and skin contact, inhalation of vapors, or accidental ingestion.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
2-propanol	20 - 25	000067-63-0
Toluene	20 - 25	000108-88-3
Ethylene Glycol Monopropyl Ether	15 - 20	002807-30-9
Xylene	10 - 15	001330-20-7
Ethylbenzene	1 - 5	000100-41-4

4. FIRST AID MEASURES

EYES: Immediately rinse with water. Remove contact lenses. Hold eyelids apart and flush eyes with water for at least 15 minutes. Ge immediate medical attention.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. 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, give artificial respiration or give oxygen by trained personnel. Seek 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

FLASHPOINT AND METHOD: 5°C (41°F) SETA Flash Tester CC

FLAMMABLE CLASS: Class I-B

GENERAL HAZARD: Flammable liquid and vapor.

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

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, and carbon dioxide.

EXPLOSION HAZARDS: Flammable liquid. Flashback along vapor trail may occur. This material may be ignited by heat, sparks, flame, or static electricity. Closed containers may explode when exposed to extreme heat. Heating can release vapor which can be ignited.

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.

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 (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).

RELEASE NOTES: US regulations require reporting spills of this material that could reach any surface waters. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Flammable liquid. 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: Keep away from heat, sparks, open flames, or other sources of ignition. Do not store portable containers in direct sunlight. Keep containers closed when not in use. For maximum storage life, store at temperatures below 50 degree Farenheit. Store away from incompatible materials. (see section 10)

SHELF LIFE: 12 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 procedure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical Name		**ppm**	**mg/m³**	**ppm**	**mg/m³**	**ppm**	**mg/m³**
2-propanol	**TWA**	400	980	200	490	NE	NE
	STEL	NE	NE	400	960	NE	NE
Toluene	**TWA**	200	NE	50	188	100 [1]	375 [1]
	STEL	300	NE	NE	NE	150 [1]	560 [1]
Ethylene Glycol Monopropyl Ether	**TWA**	NE	NE	NE	NE	20	NE
	STEL	NE	NE	NE	NE	60	NE
Xylene	**TWA**	100	435	100	434	NE	NE
	STEL	NE	NE	150	651	NE	NE
Ethylbenzene	**TWA**	100	435	100	434	100 [1]	435 [1]
	STEL	NE	NE	125	543	125 [1]	545 [1]
OSHA TABLE COMMENTS: **1**. NIOSH REL							

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: Mild solvent odor

COLOR: Clear to tinted

PERCENT VOLATILE: 80.0

VAPOR PRESSURE: Not Established

VAPOR DENSITY: Heavier than air

BOILING POINT: Not Established

FLASHPOINT AND METHOD: 5°C (41°F) SETA Flash Tester CC

SOLUBILITY IN WATER: Partially Soluble

SPECIFIC GRAVITY: < 1.000 (water=1) at 25°C (77°F)

VOC (Volatile Organic Compound): 800.000 g/l Reference EPA Method 24

10. STABILITY AND REACTIVITY

STABILITY: This product is stable under the recommended storage conditions.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid heat, sparks, open flames and other ignition sources.

INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong acids, alkalies, halogens, and molten sulfur.

11. TOXICOLOGICAL INFORMATION

TOXICITY TO ANIMALS

Chemical Name	ORAL LD_{50} (rat)	DERMAL LD_{50} (rabbit)	INHALATION LC_{50} (rat)
2-propanol	5800 mg/kg	16.4 ml/kg	12000 ppm (8 h)
Toluene	636 mg/kg	2 to 14 g/kg	26700 ppm (1h)
Ethylene Glycol Monopropyl Ether	3089 mg/kg	1337 mg/kg	> 2132 ppm (6h)
Xylene	4300 mg/kg	14100 uL/kg	4550 ppm (4 h)
Ethylbenzene	3500 mg/kg	17800 uL/kg	Not Established

CARCINOGENICITY

Chemical Name	IARC Status
2-propanol	3
Toluene	3
Ethylbenzene	2B

IARC: This product contains substances that are classified as possible carcinogens to humans.

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.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: The generation of waste should be avoided or minimized wherever possible. Disposal should be in accordance with local, state, provincial or national regulations.

EMPTY CONTAINER: Containers must be emptied (as defined by RCRA, 40 CFR Section 261.7 or state regulations that may be more stringent) and either passed to an approved recycler or destroyed.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION) LAND

PROPER SHIPPING NAME: Resin solution

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1866

PACKING GROUP: II

LABEL: Flammable liquid

AIR (ICAO/IATA)

SHIPPING NAME: Resin solution

UN/NA NUMBER: 1866

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

LABEL: Flammable liquid

VESSEL (IMO/IMDG)

SHIPPING NAME: Resin solution

UN/NA NUMBER: 1866

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

LIMITED QUANTITY: 5L

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

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
Toluene	20 - 25	000108-88-3
Xylene	10 - 15	001330-20-7
Ethylbenzene	1 - 5	000100-41-4

CERCLA (COMPREHENSIVE 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
Toluene	20 - 25	1,000 lbs.
Xylene	10 - 15	100 lbs.
Ethylbenzene	1 - 5	1,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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.

REGULATIONS

STATE REGULATIONS California Proposition 65: This product contains chemical(s) which are known to the State of California to cause cancer, birth defects or other reproductive harm, and may be subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):

CALIFORNIA PROPOSITION 65

Chemical Name	Wt.%	Listed
Toluene	20 - 25	• Developmental Toxicity
Ethylbenzene	1 - 5	• Cancer

OSHA HAZARD COMM. RULE: The contents of the MSDS comply with the OSHA Hazard Communication Standard 29 CFR

1910.1200.

16. OTHER INFORMATION

REASON FOR ISSUE: Revised format

APPROVED BY: Michael Rose **TITLE:** R & D Manager

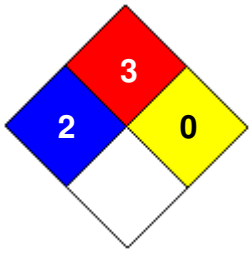
PREPARED BY: Gus Alidad

REVISION SUMMARY: Revision #: 1. This MSDS replaces the April 18, 2008 MSDS.

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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