

# MATERIAL SAFETY DATA SHEET



Date Issued: 04/18/2008  
MSDS No: SC-89 THINNER

## SC-89 THINNER

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SC-89 THINNER  
**GENERAL USE:** Paint thinner  
**CHEMICAL FAMILY:** Alkyl esters, alcohol, ketones

#### 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 colorless liquid with ester 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
Isobutyl Acetate	40 - 50	000110-19-0
2-pentanone	25 - 35	000107-87-9
2-propanol	15 - 25	000067-63-0
Methyl (n-amyl) Ketone	5 - 15	000110-43-0
Hexone	1 - 5	000108-10-1

#### 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. Get 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:** 7°C (44.6°F) Closed Cup

**FLAMMABLE CLASS:** Class I-B

**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:** 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 Fahrenheit. 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/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Isobutyl Acetate	TWA	150	700	150	713	NE	NE
	STEL	NE	NE	NE	NE	NE	NE
2-pentanone	TWA	200	700	200	705	NE	NE
	STEL	NE	NE	250	881	NE	NE
2-propanol	TWA	400	980	200	490	NE	NE
	STEL	NE	NE	400	960	NE	NE
Methyl (n-amyl) Ketone	TWA	100	465	50	233	NE	NE
	STEL	NE	NE	NE	NE	NE	NE
Hexone	TWA	100	410	50	205	NE	NE
	STEL	NE	NE	75	307	NE	NE

**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:** Ester

**COLOR:** Colorless

**PERCENT VOLATILE:** 100

**VAPOR PRESSURE:** Not Established

**VAPOR DENSITY:** Heavier than air

**BOILING POINT:** Not Established

**FLASHPOINT AND METHOD:** 7°C (44.6°F) Closed Cup

**SOLUBILITY IN WATER:** Partially Soluble

**SPECIFIC GRAVITY:** 0.826 (water=1) at 25°C (77°F)

**VOC (Volatile Organic Compound):** 826.000 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, strong reducing agents, sodium hydroxide, and alkali metal hydroxides.

## 11. TOXICOLOGICAL INFORMATION

**TOXICITY TO ANIMALS**

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Isobutyl Acetate	Not Established	Not Established	Not Established
2-pentanone	1600 mg/kg	6500 mg/kg	Not Established
2-propanol	5800 mg/kg	16.4 ml/kg	12000 ppm (8 h)
Methyl (n-amyl) Ketone	1600 mg/kg	12.6 ml/kg	~ 3000 ppm (4 h)
Hexone	2080 mg/kg	3.0 g/kg	Not Established

**CARCINOGENICITY**

Chemical Name	IARC Status
2-propanol	3

**IARC:** This product contains substances that are not classifiable as 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:** Flammable liquids, n.o.s.

**TECHNICAL NAME:** (ester, ketone, alcohol blend)

**PRIMARY HAZARD CLASS/DIVISION:** 3

**UN/NA NUMBER:** 1993

**PACKING GROUP:** II

**LABEL:** Flammable liquid

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Flammable liquid, n.o.s.

**TECHNICAL NAME:** (ester, ketone, alcohol blend)

**UN/NA NUMBER:** 1993

**PRIMARY HAZARD CLASS/DIVISION:** 3

**PACKING GROUP:** II

**LABEL:** Flammable liquid

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Flammable liquid, n.o.s.

**TECHNICAL NAME:** (ester, ketone, alcohol blend)

**UN/NA NUMBER:** 1993

**PRIMARY HAZARD CLASS/DIVISION:** 3

**PACKING GROUP:** II

**LIMITED QUANTITY:** 1L

**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
Hexone	1 - 5	000108-10-1

#### 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
Isobutyl Acetate	40 - 50	5,000
Hexone	1 - 5	5,000

#### 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.

**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):

None

**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

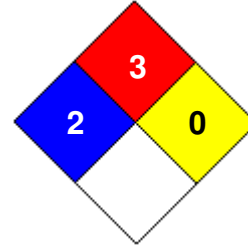
**APPROVED BY:** Michael Rose    **TITLE:** R & D Manager

**PREPARED BY:** Gus Alidad

**REVISION SUMMARY:** New MSDS

**HMIS RATING**

<b>HEALTH:</b>	*	<b>2</b>
<b>FLAMMABILITY:</b>		<b>3</b>
<b>PHYSICAL HAZARD:</b>		<b>0</b>
<b>PERSONAL PROTECTION:</b>	<b>X</b>	

**NFPA CODES**

**HMIS RATINGS NOTES:** Personal Protection: See Section 8

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