

SAFETY DATA SHEET



Date Prepared : 03/11/2013
 SDS No : AF-5 DEFOAMER
 Date Revised : 05/13/2016
 Revision No : 1

AF-5 DEFOAMER

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AF-5 DEFOAMER
GENERAL USE: Anti-foaming agent; defoamer

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:

Aspiration Hazard, Category 1

Physical:

Flammable Liquids, Category 3

GHS LABEL



Flame



Health hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H226: Flammable liquid and vapour.
 H304: May be fatal if swallowed and enters airways.

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/...] equipment.
 P242: Use non-sparking tools.
 P243: Take action to prevent static discharges.
 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 foam, dry chemical, or carbon dioxide for extinction.
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.
 P331: Do NOT induce vomiting.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.
 P405: Store locked up.

AF-5 DEFOAMER**Disposal:**

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Stoddard solvent	30 - 60	8052-41-3
1-methoxy-2-propanol acetate	1 - 5	108-65-6
1,2,4-trimethylbenzene	1 - 5	95-63-6

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 attention if irritation develops.

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: Aspiration hazard. If swallowed, DO NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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: Foam, dry chemical, or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, formaldehyde, and silicone compounds.

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 (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 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 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.

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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: 12 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	Type		EXPOSURE LIMITS	
			ppm	mg/m ³
Stoddard solvent	OSHA PEL	TWA	500	2900
		STEL	NE	NE
	ACGIH TLV	TWA	100	572
		STEL	NE	NE
	Supplier OEL	TWA	350 ^[1]	NE ^[1]
		STEL	NE	NE
1-methoxy-2-propanol acetate	OSHA PEL	TWA	NE	NE
		STEL	NE	NE
	ACGIH TLV	TWA	NE	NE
		STEL	NE	NE
	Supplier OEL	TWA	NE	NE
		STEL	NE	NE
1,2,4-trimethylbenzene	OSHA PEL	TWA	NE	NE
		STEL	NE	NE
	ACGIH TLV	TWA	25	123
		STEL	NE	NE
	Supplier OEL	TWA	25 ^[1]	125 ^[1]
		STEL	NE	NE
Footnotes:				
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

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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: Slight

COLOR: Colorless

pH: Not Established

PERCENT VOLATILE: 48

FLASH POINT AND METHOD: 38°C (100.4°F) Pensky-Martens CC

AUTOIGNITION TEMPERATURE: > 200°C (392°F)

VAPOR PRESSURE: 3 hPa at 20°C (68°F)

VAPOR DENSITY: Not Established

BOILING POINT: 144°C (291.2°F)

SOLUBILITY IN WATER: Immiscible

SPECIFIC GRAVITY: 0.86 (water=1) at 25°C (77°F)

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

(VOC): < 412.8 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 and sources of ignition.

POSSIBILITY OF HAZARDOUS REACTIONS: 1-methoxy-2-propanol acetate may form peroxides of unknown stability.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, formaldehyde, and silicone compounds.

INCOMPATIBLE MATERIALS: Strong oxidizing agents

11. TOXICOLOGICAL INFORMATION**ACUTE TOXICITY**

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
Stoddard solvent	> 6000 mg/kg	> 3000 ml/kg	5500 mg/m ³ (4 h)
1-methoxy-2-propanol acetate	8532 mg/kg	> 5000 mg/kg	> 100 ppm (4 h)
1,2,4-trimethylbenzene	12.7 g/kg	Not Established	18 g/m ³

SKIN CORROSION/IRRITATION: No data available.

SERIOUS EYE DAMAGE/IRRITATION: No data available.

RESPIRATORY OR SKIN SENSITISATION: No data available.

GERM CELL MUTAGENICITY: No data available.

CARCINOGENICITY

NOTES: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

REPRODUCTIVE TOXICITY: No data available.

STOT-SINGLE EXPOSURE: No data available.

STOT-REPEATED EXPOSURE: No data available.

ASPIRATION HAZARD: May be fatal if swallowed and enters airways.

AF-5 DEFOAMER**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)**

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

TECHNICAL NAME: (stoddard solvent, 1-methoxy-2-propanol acetate)

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1993

PACKING GROUP: III

NAERG: 128

LABEL: Flammable liquid

AIR (ICAO/IATA)

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

TECHNICAL NAME: (stoddard solvent, 1-methoxy-2-propanol acetate)

UN/NA NUMBER: 1993

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

ERG: 3L

LABEL: Flammable liquid

VESSEL (IMO/IMDG)

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

TECHNICAL NAME: (stoddard solvent, 1-methoxy-2-propanol acetate)

UN/NA NUMBER: 1993

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

LABEL: Flammable liquid

SPECIAL PROVISIONS: EmS: F-E, S-E

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

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

313 REPORTABLE INGREDIENTS: This product contains the following substances subject to the reporting requirements of Section

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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
1,2,4-trimethylbenzene	1 - 5	95-63-6

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):
None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product does not contain any chemicals 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 CFR 1910.119---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 does not contain any chemicals 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).

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

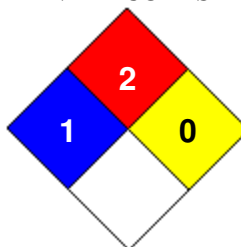
REASON FOR ISSUE: Revision

Date Revised: 05/13/2016

REVISION SUMMARY: This SDS replaces the 03/11/2013 SDS.

HMIS RATING

HEALTH	*	1
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		X

NFPA CODES

HMIS RATINGS NOTES: Personal Protection: See Section 8

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