

SAFETY DATA SHEET



Date issued : 03/11/2013
 SDS number : AF-5 DEFOAMER
 Date revised : 08/15/2022
 Revision number : 3

AF-5 DEFOAMER

1. Identification

Product identifier: AF-5 DEFOAMER

Relevant identified uses: Anti-foaming agent; defoamer

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:

Aspiration Hazard, Category 1
 Skin Irritation, Category 2
 Target Organ Toxicity (Single exposure), Category 3
 Target Organ Toxicity (Repeated exposure), Category 1

Environmental hazards:

Chronic Hazards to the Aquatic Environment, Category 3

Physical hazards:

Flammable Liquids, Category 3

Label elements



Flame



Health hazard



Exclamation
mark

Signal word: DANGER

Hazard statement(s)

H226: Flammable liquid and vapour.
 H304: May be fatal if swallowed and enters airways.
 H315: Causes skin irritation.
 H336: May cause drowsiness or dizziness.
 H372: Causes damage to organs through prolonged or repeated exposure.
 H412: Harmful to aquatic life with long lasting effects.

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.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P271: Use only outdoors or in a well-ventilated area.

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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.

P273: Avoid release to the environment.

Response:

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

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

P331: Do NOT induce vomiting.

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

P332+P313: If skin irritation occurs: Get medical advice/attention.

P363: Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTER/doctor/physician if you feel unwell.

P314: Get medical advice/attention if you feel unwell.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P235: Keep cool.

P405: Store locked up.

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.
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

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 if irritation develops.

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, 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.

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

Suitable extinguishing media: Carbon dioxide, dry chemical, or foam.

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: Evacuate unnecessary personnel from the spill area. Wear necessary personal protective equipment (PPE) as specified in the SDS or the site emergency response plan. Eliminate all sources of ignition. Ensure adequate ventilation. Dike and contain spill. Prevent product from entering drains or waterways. Absorb with non-combustible material (such as sand, earth, diatomaceous earth, or vermiculite) and transfer to a container for disposal according to local/national regulations.

AF-5 DEFOAMER**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.

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 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.

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: 12 months from date of shipment under manufacturers recommended storage conditions.

8. Exposure controls/personal protection**Exposure controls**

Control parameters				
Occupational exposure limit values				
Chemical name	Type		ppm	mg/m ³
Stoddard solvent	OSHA PEL	TWA	500	2900
		STEL	-	-
	ACGIH TLV	TWA	100	-
		STEL	-	-
	NIOSH REL	TWA	-	350
		STEL	-	-
C		- [1]	2900 [1]	
1,2,4-Trimethylbenzene	OSHA PEL	TWA	-	-
		STEL	-	-
	ACGIH TLV	TWA	25	123
		STEL	-	-
	NIOSH REL	TWA	25	125
		STEL	-	-

Footnotes:
1. 15-minute

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 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. Wear nitrile or neoprene gloves. Chemical resistant gloves lined with polyethylene offer maximum protection.

Respiratory protection: 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

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concurrently when determining respirator use and selection. Observe OSHA regulations for respirator use (29 CFR 1910.134).

Skin protection - other: Protective clothing should be selected and used in accordance with "Guidelines for the Selection of Chemical Protective Clothing" published by ACGIH.

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: Slight

pH: No data available

Initial boiling point and boiling range: 144°C (291.2°F)

Flash point: 38°C (100.4°F) Pensky-Martens CC

Vapor pressure: 3 hPa at 20°C (68°F)

Relative vapor density: No data available

Relative density: 0.86 (water=1) at 25°C (77°F)

Solubility: Immiscible

Auto-ignition temperature: > 200°C (392°F)

Dynamic viscosity: 25 Centipoise at 25°C (77°F)

Percent volatiles: 48

VOC content: < 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.

Chemical 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	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)	LC ₅₀ (inhalation) mg/l
Stoddard solvent	> 5000 mg/kg Rat	> 3000 mg/kg Rabbit	5500 mg/m ³ Rat (4 h)
1-Methoxy-2-propanol acetate	6190 mg/kg Rat	> 5000 mg/kg Rabbit	> 4345 ppm Rat (6 h)
1,2,4-Trimethylbenzene	> 3440 mg/kg Rat	No data available	18 mg/l Rat (4 h)

Skin corrosion / irritation: Causes skin irritation.

Serious eye damage / irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Reproductive toxicity: No data available

Specific Target Organ Toxicity - single exposure: May cause drowsiness or dizziness.

Specific Target Organ Toxicity - repeated exposure: Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard: May be fatal if swallowed and enters airways.

12. Ecological information

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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

Other adverse effects: 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.

14. Transport information**USA Department of Transport Regulations (DOT)**

UN proper shipping name: Flammable liquids, n.o.s.

Technical name: (stoddard solvent, 1-methoxy-2-propanol acetate)

Transport hazard class(es): 3

UN number: UN1993

Packing group: III

NAERG: 128

Hazard label: Flammable liquid

ICAO / IATA - air

UN proper shipping name: Flammable liquids, n.o.s.

Technical name: (stoddard solvent, 1-methoxy-2-propanol acetate)

UN number: UN1993

Transport hazard class(es): 3

Packing group: III

ERG: 3L

Hazard label: Flammable liquid

IMO / IMDG - sea

UN proper shipping name: Flammable liquids, n.o.s.

Technical name: (stoddard solvent, 1-methoxy-2-propanol acetate)

UN number: UN1993

Transport hazard class(es): 3

Packing group: III

Hazard label: Flammable liquid

Special provisions: EmS: F-E, S-E

15. Regulatory information**UNITED STATES****SARA Section 311/312 Hazard Categories**

311/312 Health hazards: Refer to Section 2 for hazard classification.

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:

AF-5 DEFOAMER**EPCRA Section 313 Toxic Chemicals**

Chemical name	% w/w	CAS No.
1,2,4-Trimethylbenzene	1 - 5	95-63-6

CERCLA Hazardous Substances and Reportable Quantities (RQ)

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).

Chemical name	% w/w	CERCLA rq
Benzene	< 0.001	10 lbs.


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 and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Chemical name	% w/w	Listed
Benzene	< 0.001	<ul style="list-style-type: none"> ● Cancer ● Developmental Toxicity ● Male Reproductive

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

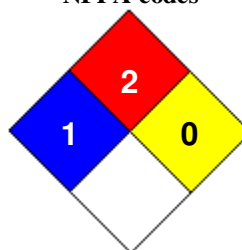
Reason for issue: Revision

Date revised: 08/15/2022

Revision summary: This SDS replaces the 05/06/2019 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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