

Alligare, LLC. 13 N. 8th Street, Opelika, AL 36801IN CASE OF EMERGENCY, CALL CHEMTREC
UNITED STATES: 1-800-424-9300
INTERNATIONAL: 1-202-483-7616

MATERIAL SAFETY DATA

1. PRODUCT IDENTIFICATION

Product Name **Alligare MSO**
SYNONYMS: Methylated Soybean Oil Surfactant Blend
CHEMICAL FAMILY: Methyl Ester of Soya Oil

2. HAZARDOUS INGREDIENTS

COMPONENT	CAS. NO.	%	TWA/CEILING	REFERENCE
Maximum of 1 ppm Ethylene Oxide (EO) (75-21-8) may be present in the product. The OSHA PEL and ACGIH TLV for EO is 1 ppm.				

3. EFFECTS OF OVEREXPOSURE:

EYE: Causes eye irritation.
SKIN: Prolonged skin contact may cause irritation.
INHALATION: May cause irritation to eyes, nose, throat and respiratory tract.
INGESTION: May cause nausea, vomiting, diarrhea, and abdominal discomfort.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Overexposure to any chemical may result in enhancement of pre-existing adverse medical condition and allergic reactions.

4. EMERGENCY FIRST AID

Call a poison control center or doctor immediately for treatment advice.

IF SWALLOWED: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Have the product container with you when calling a poison control center or doctor, or going for treatment.

5. REACTIVITY DATA

STABILITY: Stable.
CONDITIONS TO AVOID: Prolonged excessive heat, strong oxidizing agents.
POLYMERIZATION: Will not occur.
INCOMPATIBILITY: Strong acids, gases, and oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: CO₂, CO.

6. PHYSICAL PROPERTIES

APPEARANCE AND ODOR:	Clear pale yellow liquid, fatty odor.
BOILING POINT:	NA
MELTING POINT:	NA
VAPOR PRESSURE (mmg of Hg):	less than 1mm
SPECIFIC GRAVITY:	0.876 (+/- .05)
VAPOR DENSITY (AIR=1):	NA
% VOLATILE (By WGT.%):	<1
EVAPORATION RATE:	<1
SOLUBILITY IN WATER:	Dispersible

7. NFPA HAZARD RATING (National Fire Protection Association)

Flammability	Health:	Exposure could cause irritation but only minor residual injury even if no treatment is given.
1		
Health 1	Flammability:	Must be preheated before ignition can occur.
0		
Instability	Instability:	Normally stable, even under fire exposure conditions, and are not reactive with water.
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Special Hazard		

8. FIRE AND EXPLOSION HAZARD INFORMATION

FLASHPOINT:	>200 °F.
FLAMMABLE LIMITS:	Not Available.
EXTINGUISHING MEDIA:	Foam, Dry Chemical, CO ₂ , and Water.
FIRE FIGHTING:	Use a positive-pressure, self-contained air supply. Avoid getting water from fire-fighting into domestic or irrigation water supplies.
UNUSUAL FIRE HAZARD:	NA

9. SPECIAL PRECAUTIONS

HANDLING AND STORAGE:	Store in cool dry place. Keep in original container tightly closed. Do not reuse empty container.
OTHER PRECAUTIONS:	Keep out of reach of children.

10. SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Wear a NIOSH/OSHA approved respirator if necessary.
Ventilation:	Normal room ventilation (mechanical) should be satisfactory.
Protective Gloves:	Chemical resistant gloves.
Eye Protection:	Wear goggles or a face shield.
Other Protection:	Eye bath and safety shower. Wash with soap and water before eating, drinking, smoking, or using toilet facilities.

11. SPILL OR LEAK PROCEDURES

SPILLS OR RELEASES:	Material should be collected and disposed in proper manner. Avoid discharge to natural waters. Absorb with an inert material such as sand, soil or vermiculite. Wear suitable protective equipment.
WASTE DISPOSAL:	Do not contaminate water, food or feed by storage or disposal. Dispose of in an approved waste disposal facility in accordance with all Federal, State and Local Regulations.
CONTAINER DISPOSAL:	Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

12. REGULATORY INFORMATION

COMPOUNDS WHICH REQUIRE REPORTING UNDER SARA TITLE III

CHEMICAL	CAS NO.	% Wt.
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No compounds present in quantities which are regulated.

13. OTHER INFORMATION

WARNING! This product contains a detectable amount of ethylene oxide, which is known to the State of California to cause cancer and/or reproductive toxicity.

Ethoxylated products may contain residual amounts of ethylene oxide (EO) which can accumulate in the container headspace and be released into the ambient environment. This process is enhanced when the product is agitated, as during tank car loading and unloading, and blending operations. Ethylene oxide causes tumors in laboratory animals. The Occupational Safety and Health Administration (OSHA) Permissible Exposure Level (PEL) for EO is 1 ppm for an eight-hour time weighted average exposure. The standard regulates occupational exposure to EO from all sources, including products containing residual EO. It is the responsibility of the employer to comply with OSHA ethylene oxide standard (29) CFR 1910.1047.



The recommendation for safe handling and protection procedures are believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.