

**Alligare 90** 13 N 8<sup>th</sup> Street Opelika, AL 36801  
**MATERIAL SAFETY DATA SHEET**

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**1. PRODUCT IDENTIFICATION**

**TRADEMARK OR PRODUCT NAME:** Alligare 90  
**SYNONYMS:** None, mixture  
**CHEMICAL FAMILY:** Nonionic Surfactant  
**GENERIC DESCRIPTION:** Nonionic Surfactant Blend  
**MOLECULAR WEIGHT:** Not applicable, mixture

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**2. HAZARDOUS INGREDIENTS**

OSHA REGULATED

COMPONENT	CAS. NO	WT%	EXPOSURE LIMITS
None			

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.  
**(EO Statement for any formula containing a component that is ethoxylated-REMOVE THIS INSTRUCTION and change paragraph to Black)**

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**3. EFFECTS OF OVEREXPOSURE**

**INHALATION:** Inhalation not likely. Mist may cause irritation of the respiratory tract.  
**SKIN CONTACT:** Brief contact is not irritating. Prolonged contact may cause redness.  
**EYE CONTACT:** Slightly irritating. May cause redness, irritation.  
**INGESTION:** May cause abdominal discomfort, nausea, vomiting and diarrhea.  
**OTHER HEALTH EFFECTS:** None

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 and adverse medical condition and allergic reactions.

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**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.

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**5. REACTIVITY DATA**

**STABILITY:** ( ) unstable (x) stable

**INCOMPATIBILITY (MATERIALS TO AVOID):** Avoid strong oxidizing and reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning can produce carbon monoxide and/or carbon dioxide

**HAZARDOUS POLYMERIZATION:** ( ) may occur (x) will not occur

**CONDITIONS TO AVOID:** Open flame or extreme heat.

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**6. PHYSICAL PROPERTIES**

**APPEARANCE AND ODOR:** Light, golden liquid

**BOILING POINT:** NA

**SPECIFIC GRAVITY:** (Water=1) 1.03 +/- .05

**VAPOR DENSITY:** NA

**VAPOR PRESSURE:** NA

**EVAPORATION RATE:** (butyl acetate = 1) NA

**SOLUBILITY IN WATER:** Soluble

**7. NFPA HAZARD RATING (National Fire Protection Association)**

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

**8. FIRE AND EXPLOSION HAZARD INFORMATION****FLASHPOINT:** >200 °F**FLAMMABLE LIMITS:** NA**EXTINGUISHING MEDIA:** Foam, Water fog, Dry chemical, ABC fire extinguisher.**SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained positive breathing apparatus and protective clothing should be worn.**UNUSUAL FIRE HAZARD:** None known**9. SPECIAL PRECAUTIONS****HANDLING AND STORAGE:** Use with adequate ventilation. Wash thoroughly after handling. Keep away from heat, sparks and flames.**OTHER PRECAUTIONS:** Keep in original container tightly closed. Do not reuse empty container. Avoid contact with eyes, skins, and clothing. Do not store with food, feed, or other material to be used or consumed by humans or animals.**10. SPECIAL PROTECTION INFORMATION****RESPIRATORY PROTECTION:** Appropriate to chemical.**VENTILATION:** Adequate ventilation.**PROTECTIVE GLOVES:** Impervious.**EYE PROTECTION:** Wear chemical safety goggles. Do not wear contact lenses.**11. SPILL OR LEAK PROCEDURES****SPILLS OR RELEASES:** If material is released or spilled wear eye and skin protection. Floor may be slippery; use care to avoid falling. Contain spill immediately with inert materials (e.g. sand, earth). Avoid discharge to natural waters. Transfer liquids and solid diking material to suitable containers for recovery or disposal.**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:** 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

Sara Regulated Compounds	Section	CAS NO.	Percent
None Known			

**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 is 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.