

FinoCLEAN-X, SDS, Safety Data Sheet
MSDS Sheet, Material Safety Data Sheet

1. Product Identification

Product Name: FinoCLEAN-X

Recommended uses and uses advised against (if any): Fracturing additive and Industrial use..

SUPPLIER

Company: Finoric LLC

Address: 8115 Loop 540, Beasley, Texas, 77417 © USA

In case of emergency contact:

InfoTrac

US: 1-800-535-5053

International: 352-323-3500

2. Hazards Identification

**GHS, Globally Harmonized System Classification in accordance with 29 CFR 1910
Classification according to Regulation (EC) No 1272/2008**

Flammable liquids Category 4

Acute toxicity, oral Category 4

Acute toxicity, inhalation Category 4

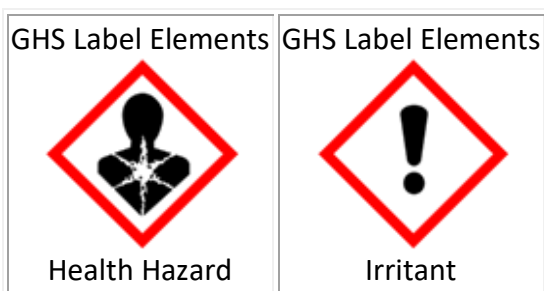
Aspiration hazard Category 1

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

Hazardous to the aquatic environment, long-term hazard Category 3

Labeling according GHS USA & Regulation (EC) No 1272/2008



Signal Words: Danger



Hazard statement(s)

- H227 Combustible liquid.
- H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled
- H 304 May be fatal if swallowed and enter airways.
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking.
- P233: Keep container tightly closed.
- P240: Ground/bond container and receiving equipment.
- P241: Use explosion-proof electrical/ventilating/light/.../equipment.
- P242: Use only non-sparking tools.
- P243: Take precautionary measures against static discharge.
- P260: Do not breathe dust/fume/gas/mist/vapors/spray.
- P264: Wash ... thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P271: Use only outdoors or in a well-ventilated area.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P312: Call a POISON CENTER or doctor/physician if you feel unwell.
- P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P301+312+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor/ physician if you feel unwell.
- P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/ physician.
- P308+313: IF exposed or concerned: Get medical advice/attention.
- P370+378: In case of fire: Use dry chemical, alcohol resistant foam, fog or carbon dioxide for extinction.
- P362: Take off contaminated clothing and wash before reuse.
- P403+235: Store in a well ventilated place. Keep cool.
- P405: Store locked up.
- P501: Dispose of contents/container to authorized agents only.

3. Composition/Information on Ingredients

Hazardous Ingredients listed	CAS No	Content
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Dodecylbenzene sulfonic acid.	85536-14-7	10-20%
Ethylene glycol monobutyl ether	111-76-2	10-20%
Isopropanol	200-661-7	>5%
Caustic Soda	1310-73-2	>5%
Water and Other Non Hazardous Components	-	Balance

4. First Aid Measures

Always seek medical attention after first aid measures are provided.

Inhalation: If inhaled, remove the victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and get medical attention immediately.

Ingestion: Do not induce vomiting unless as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing and shoes before reuse.

Eye Contact: Remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Always seek medical advice after the first aid measures.

5. Fire Fighting Measures

Fire: Flammable.

Fire Extinguishing Media: Dry chemical, alcohol resistant foam, fog or carbon dioxide. Water can be used to cool and protect exposed material. Do not direct a solid stream of water on spilled material. Use flooding amounts of water as a fog. Use water to cool containers exposed to fire. A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water.

Products of Combustion: These products are toxic fumes, carbon oxides (CO, CO₂) and sulfur oxides (SO_x).

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Protective Equipment: Gloves. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

6. Accidental Release Measures

Personal precautions, protective equipment, environmental precautions and emergency procedures: Avoid breathing dust/fumes/gas/mist/vapors/spray. Use individual protective equipment (waterproof boots, suitable protective clothing, safety glasses, etc). Restrict unprotected personnel from the area. Prevent any contact with hot surfaces. Do not approach facing the wind. Do not touch the spilled material. Keep away from drains, surface and groundwater and soil.

Methods and materials used for containment Cleanup procedures and Storage:



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Email: info@finoric.com • www.finoric.com

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill: Contain spilled material. Stop leak if without risk. Avoid breathing dust, mist or gas. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Ensure adequate ventilation.

Evacuate personnel to safe areas. Prevent entry into sewers, basements or confined areas; dike if needed.

Eliminate all ignition sources. Avoid exposure - obtain special instructions before use.

7. Handling and Storage

Precautions for safe handling: Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Wash thoroughly after handling. Do not drink, eat or smoke while handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust/fumes/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use individual protective equipment (waterproof boots, suitable protective clothing, safety glasses, etc). Prevent any contact with hot surfaces. Containers of this material may be hazardous when empty since they retain product residues.

Conditions for safe storage, including any incompatibilities: Store in cool, dry and ventilated area away from heat sources and protected from sunlight in tightly closed original container. Keep air contact to a minimum. Store protected from heat, sparks and ignition sources and incompatible materials. Avoid contact with skin and eyes. Avoid inhalation of dust/mist/vapor. Do not store with incompatible materials like strong oxidizing, strong reducing agents and bases.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: Not established. Keep it within 5mg/m³

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved): For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties



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Appearance: Clear liquid.

Odor: Typical odor.

Odor threshold: Not available.

pH: Not available.

Relative density: 1.02

Melting point/freezing point: Not available.

Initial boiling point and boiling range: Not available.

Flash point: Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Upper/lower flammability or explosive limits: Not available.

Vapor pressure: Not available.

Vapor density: Not available.

Evaporation rate: Not available.

Flammability (solid, gas): Not available.

Partition coefficient: n-octanol/water: Not available.

Solubility(ies): Not available.

Viscosity: Not available.

10. Stability and Reactivity

Stability: It is stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Fumes with carbon dioxide, carbon monoxide and sulfur oxides (SOx) may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Heat, Strong oxidizing and Strong reducing agents, Strong bases.

Conditions to Avoid: Heat, dusting, sparks and incompatibles.

11. Toxicological Information

Toxicological information have not been established for this product. Available information on substances are shown below:

Toxicity to animals:

LD50 Oral Rat 650mg/kg for DDBSA, Dodecylbenzene sulfonic acid.

LD50 Oral Rat 1300mg/kg for EGMBE = Ethylene glycol monobutyl ether.

LD50 Oral Rat 5045mg/kg for Isopropanol.

LD50 Oral Rat 16000mg/kg for Caustic Soda.

Carcinogenicity: This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

Mutagenic Effects: Not available.

Reproductive Effects: No information available.

12. Ecological Information

Ecological information have not been established for this product. Available information on substances are shown below:

Isopropyl Alcohol:

Toxicity to fish: LC50 - Pimephales promelas (fathead minnow) - 9.640,00 mg/l - 96 h

EGMBE = Ethylene glycol monobutyl ether:

Toxicity to fish: LC-50 (Oncorhynchus mykiss, 96 h): 1,474 mg/l

The material contains component that can be classed as marine pollutant.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused material in accordance with law.

14. Transport Information

DOT (US), IMDG, IATA: Not Regulated

15. Regulatory Information

For this product a chemical safety assessment was not carried out
H227 Combustible liquid.

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16. Other Information

Prepared by AJK on 27 November 2019 - Printed on: 18 January 2020

DISCLAIMER: The information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed correct as of the date hereof. It is compiled from various sources and it is not necessarily all inclusive nor fully adequate in every circumstance. In addition, these suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules or insurance requirements applicable. This MSDS sheet is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.