

FinCide 123 SDS Safety Data Sheet
MSDS Sheet, Material Safety Data Sheet

SECTION 1: IDENTIFICATION

PRODUCT NAME: FinCide 123

CHEMICAL NAME/ FAMILY: Aldehyde and Quaternary Ammonium Chloride mixture

RECOMMENDED USE & USES ADVISED AGAINST (IF ANY): Microbiocide

RESTRICTIONS ON USE: Fracturing and Industrial Use Only

C.A.S. NUMBER: Mixture

S.D.S. EFFECTIVE DATE: 4/30/2019

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

SECTION 2: HAZARD IDENTIFICATION

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

Acute Toxicity – Oral: Category 4

Acute Toxicity – Inhalation: Category 2

Skin Corrosion/Irritation: Category 2

Eye Corrosion/Irritation: Category 1

Skin Sensitization: Category 1

Respiratory Sensitization: Category 1

Specific Target Organ Toxicity – Single Exposure: Category 3

Acute Aquatic Toxicity: Category 2

Chronic Aquatic Toxicity: Category 3

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



Signal Word: Danger



H-Phrases

- H302 – Harmful if swallowed.
- H330 – Fatal if inhaled.
- H315 – Causes skin irritation.
- H317 – May cause an allergic skin reaction.
- H318 – Causes serious eye damage.
- H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 – May cause respiratory irritation.
- H401 – Toxic to aquatic life.
- H412 – Harmful to aquatic life with long lasting effects.

P-phrases

Prevention

- P260 – Do not breathe mist/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.
- P272 – Contaminated work clothing should not be allowed out of the workplace.
- P273 – Avoid release to the environment.
- P280 – Wear protective gloves/protective clothing/eye protection/face protection.
- P284 – In case of inadequate ventilation wear respiratory protection.

Response

- P301+312 – IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- P330 – Rinse mouth.
- P302+352: IF ON SKIN: Wash with plenty of soap and water.
- P333+313 – If skin irritation or rash occurs: Get medical advice/attention.
- P362+364 – Take off contaminated clothing and wash it before reuse.
- P304+340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P342+311 – If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
- P305+351+338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 – Immediately call a POISON CENTER/doctor.

Storage

- P403+233 – Store in a well-ventilated place. Keep container tightly closed.
- P405 – Store locked up.

Disposal

- P501 – Dispose of contents/container to an approved local waste handler in accordance with local/state/federal law.

SECTION 3: COMPOSITION and INFORMATION on INGREDIENTS

<u>Component</u>	<u>C.A.S. #</u>	<u>%</u>
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Glutaraldehyde	111-30-8	10-15%
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	1-5%

SECTION 4: FIRST AID MEASURES

EYE CONTACT: As a precaution, remove contact lenses and flush immediately with plenty of water for at least 30 minutes. Seek medical attention immediately.

SKIN CONTACT: Wash thoroughly with soap and large amounts of running water for 30 minutes. Remove contaminated clothing. Seek medical attention immediately.

INHALATION: Remove victim to fresh air. Seek immediate medical attention immediately.

INGESTION: Do not induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Most important symptoms/effects: Harmful if swallowed. Fatal if inhaled. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

Note to Physician: Treat symptomatically. Chemical eye burns may require extended irrigation.

SECTION 5: FIRE FIGHTING MEASURES

FIRE CLASSIFICATION: Not Flammable.

UNUSUAL FIRE AND EXPLOSION: Decomposition will release toxic gases and vapor.

EXTINGUISHING MEDIA: Water mist, Carbon Dioxide CO₂, dry chemical or alcohol foam. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after the fire is out. Stay away from ends of containers.

SPECIAL PROTECTIVE EQUIPMENT OR PRECAUTIONS FOR FIREFIGHTERS: Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides, ammonia, hydrogen chloride

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT AND PRECAUTIONS: Use appropriate personal protective equipment. Refer to Section 8. Avoid contact with skin, eyes, and clothing. Wear appropriate protective equipment and clothing during clean-up. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

ENVIRONMENTAL PRECAUTIONS: Do not allow material to enter public drainage systems or waterways.

CONTAINMENT AND CLEAN-UP MEASURES: Dike spill if possible to contain. Remove all ignition sources. Soak up balance with sand or dirt. Place into properly labeled containers for disposal.



SECTION 7: HANDLING and STORAGE PROCEDURES

PRECAUTIONARY HANDLING: Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Avoid prolonged exposure. Do not get this material on clothing. Use only outdoors or in a well-ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.

STORAGE: DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. These solutions are corrosive to many commonly used materials of construction such as steel, galvanized iron, aluminum, tin and zinc. These solutions can be stored and handled in baked phenolic-lined steel, polyethylene, stainless steel or reinforced epoxy-plastic equipment. Store locked up. Avoid freezing or excessive heat. Keep at temperature not exceeding 38 °C. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep in an area equipped with sprinklers.

CONDITIONS TO AVOID: Excessive Heat. Contact with Incompatibles like : oxidizing agents, amines.

SECTION 8: EXPOSURE CONTROL and PERSONAL PROTECTION

Occupation Exposure Limits:

Glutaraldehyde: 0.05ppmas per USA ACGIH and 0.2ppm (0.8 mg/m³) as per USA NIOSH

ENGINEERING CONTROLS: Good general ventilation (typically 10 air changes per hour) should be used.

Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

RESPIRATORY PROTECTION: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998.

Respirator Type: Air-purifying with organic vapor and acid mist cartridge.

EYE PROTECTION: Use goggles and face shield.

SKIN PROTECTION: Wear chemical-resistant gloves, footwear and protective clothing appropriate for the risk of exposure.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

Appearance (Form and Color): Clear Colorless to Light Amber Liquid

Odor: Not available.

Odor threshold: Not available.

pH, 5% in 3:1 IPA: Water:2-4

Relative density: 1.02 approximately.



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Melting/Freezing Point: 27°F/-3°C
Initial boiling point and boiling range: Not available.
Flash Point: >100C/>212F
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.

SECTION 10: STABILITY and REACTIVITY

Thermal Decomposition: May occur at elevated temperatures.
Hazardous Decomposition Products: Carbon oxides, ammonia, hydrogen chloride
Stability: Stable under normal conditions of use and storage.
Conditions to Avoid: Keep away from excessive heat, sparks, open flames, other ignition sources and incompatible materials.
Incompatible Materials: Oxidizing agents. Amines
Hazardous Polymerization: Will not occur under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

Eyes: Causes eye burns.

Skin: Causes skin irritation. May cause allergic skin reaction.

Ingestion: May cause abdominal pain, vomiting, nausea, and diarrhea. Causes digestive tract burns.

Inhalation: Fatal if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause burns to respiratory tract if inhaled.

CHRONIC TOXICITY:

Chronic Effects: Prolonged inhalation may be harmful.

Sensitization: May cause sensitization by skin contact and if inhaled.

Carcinogenicity: No effect known based upon available data.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Product is toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Persistence and Degradability: Product is expected to be biodegradable.

Mobility in Soil: No information available.



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SECTION 13: DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or reinstatement is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse empty container with water. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

SECTION 14: TRANSPORTATION INFORMATION

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert.

DOT (USA): DOT Not Regulated

IMDG (International Maritime Dangerous Goods): Not Regulated

ICAO /IATA (International Air Transport Association): Not Regulated

SECTION 15 : REGULATORY INFORMATION

Notice: The following information is presented in good faith and is believed to be accurate, as of the revised date shown above. No warranty is therefore, expressed or implied. Regulatory information requirements are subject to change as governmental regulations change.

SARA 313: Methanol

Carcinogenicity Classification: (components present at 0.1% or more): None.

SECTION 16: OTHER INFORMATION

SARA 311-312 Hazard Classification(s): Acute Hazard, Chronic Hazard

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

Disclaimer:

The information and recommendations set forth herein are presented in good faith and believed correct as of the date the SDS was created. 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 SDS 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. This shall not constitute a guarantee for any specific product features



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and shall not establish a legally valid contractual relationship.
