

**FinCide 355 SDS Safety Data Sheet**  
**MSDS Sheet, Material Safety Data Sheet**

**1. Product Identification**

**PRODUCT NAME:** FinCide 355

**Recommended uses and uses advised against (if any):** Fracturing and Industrial Water Treatment Manufacturing 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**

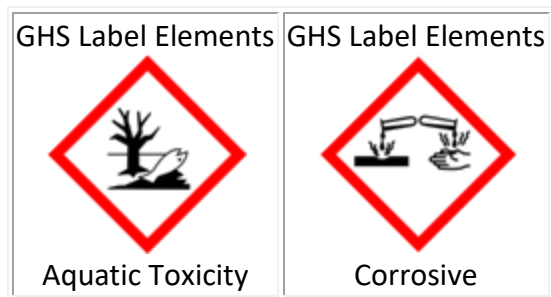
Acute toxicity, Oral (Category 4)

Skin corrosion/irritation Category 1A, B, C

Specific target organ toxicity, single exposure; Respiratory tract irritation Category 3

Hazardous to the aquatic environment, long-term hazard Category 1

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



**Signal Words: Danger**



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**Hazard statements:**

- H302: Harmful if swallowed
- H314: Causes severe skin burns and eye damage.
- H335: May cause respiratory irritation.
- H410: Very toxic to aquatic life with long lasting effects.

**Precautionary statements:**

- P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
- P262: Do not get in eyes, on skin, or on clothing.
- P264: Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P330+ P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+ P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P314: Get Medical advice/attention if you feel unwell.
- P337+P313: If eye irritation persists: Get medical advice/ attention.
- P360: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
- P403+P235: Store in a well ventilated place. Keep cool.
- P391: Collect spillage.
- P405: Store locked up.
- P501: Dispose of contents/ container to an approved waste disposal plant.

**Classification according to EU Directives 67/548/EEC or 1999/45/EC:**

**Hazard Symbols:**

- C = Corrosive
- N = Dangerous for the environment

**Risk Phrases:**

- R22 = Harmful if swallowed.
- R34 = Causes burns.
- R50 = Very toxic to aquatic organisms.

**3. Composition/Information on Ingredients**

**Ingredient:**

Item and ----- CAS Number	Percentage
Tributyl tetradecyl phosphonium chloride 81741-28-8; EINECS EC No.: 279-808-2	1-10%



Water ----- 7732-18-5

QS

#### 4. First Aid Measures

**Always seek medical attention after first aid measures are provided.**

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. May be fatal if inhaled. Get medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Rinse mouth thoroughly with water. Get medical attention immediately.

Skin Contact: Remove victim immediately from source of exposure. Immediately remove contaminated clothing. Wash skin thoroughly with soap and water for several minutes. Get medical attention if any discomfort continues.

Eye Contact: Remove affected person from source of contamination. Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 min. Get medical attention promptly if symptoms occur after washing.

#### 5. Fire Fighting Measures

Auto ignition temperature: NA

Toxic fumes, oxides of phosphorous, chlorine and carbon monoxide may be formed in fire.

Fire Extinguishing Media: Dry chemical, foam, carbon dioxide or water fog. Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

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.

#### 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:

**Small Spill:** Mop and pick up the material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of



low areas where vapors may accumulate. Keep away from heat. Keep away from sources of ignition. Provide ventilation. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Material should be prevented from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Collect and reclaim or dispose in sealed containers in licensed waste. Containers with collected spillage must be properly labeled with correct contents and hazard symbol.

## 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 acids, oxidizing agents, heat and flames. Containers may be hazardous when empty since they retain product residues.

## 8. Exposure Controls/Personal Protection

Airborne Exposure Limits: No exposure limits noted for ingredient(s). Provide eyewash station.

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 the substance is apparent and engineering controls are not feasible, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full-face piece 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 a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

## 9. Physical and Chemical Properties

Appearance: Colorless Liquid.

Odor: Slight odor .



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Odor threshold: Not available.

pH: 6-8

Relative density: Not available.

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: Miscible with water

Viscosity: Not available.

## 10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, phosphorous oxides and toxic fumes may form when heated to decomposition.

Hazardous Polymerization: Not reported.

Incompatibilities: Acids, oxidizing agents, heat and flames.

Conditions to Avoid: Heat, flames, ignition sources and incompatibles.

## 11. Toxicological Information

Oral rat LD50: 1002 mg/kg

IPR rat LD50: 4000 mg/kg

Mutagenic Effects: Not available.

Teratogenic Effects: Not available.

Developmental Toxicity: Not available.

Reproductive Effects: No information available.

## 12. Ecological Information

Toxicity to fish: LC 50, 96 Hrs, FISH mg/l -- 0.58

Toxicity to daphnia and other aquatic invertebrates: EC 50, 48 Hrs, DAPHNIA, mg/l -- 0.25

Environmental Toxicity: Very Toxic to aquatic organisms with long lasting effects.



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Persistence and Degradability: No information available.

Mobility: No information available.

Bioaccumulation/ Accumulation: No information available.

Results of PBT and vPvB assessment: No data available for assessment.

### 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 contents in accordance with federal, state and local requirements.

### 14. Transport Information

#### United States Department of Transportation (DOT)

UN Number: UN1760

Proper Shipping Name: CORROSIVE LIQUID N.O.S.(Contains Tributyl tetradecyl phosphonium chloride)

Hazard Class: 8

Packing Group: PG II

### 15. Regulatory Information

#### USA:

PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity and for which warnings are now required.

SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

REGULATORY REFERENCES: 29 CFR 1910.1010 Federal Regulations (OSHA Standard).

ENVIRONMENTAL LISTING: EPA REGISTRATION NUMBER:83451-15

### Section 16 - Additional Information

#### **European Labeling in Accordance with EC Directives**

H302 = Harmful if swallowed

H314 = Causes severe skin burns and eye damage.

H335 = May cause respiratory irritation.

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C = Corrosive; N = Dangerous for the environment

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

**Disclaimer:**

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*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 and shall not establish a legally valid contractual relationship.*

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