

# FLINN SCIENTIFIC, INC.

## Safety Data Sheet (SDS)

SDS #: 1018

Revision Date: June 8, 2020

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

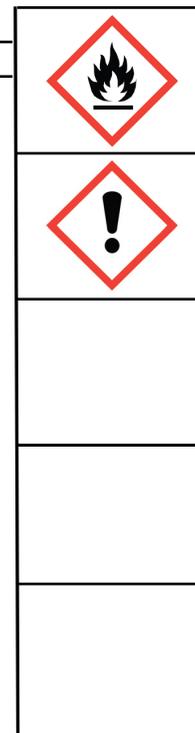
#### Flinn Sanitizer

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **DANGER**

Pictograms



### SECTION 2 — HAZARDS IDENTIFICATION

**H226** Harmful if swallowed. Causes sever skin burns and eye damage  
**H319** Cause serious eye damage.  
**H315 + H320** Causes Skin and Eye Irritation  
**P102** Keep out of reach of children  
**P103** Read Label before use  
**P210** Keep away from open flames, sparks, hot surfaces. No smoking  
**P233** Keep container tightly closed  
**P242** Use only non-sparking tools  
**P243** Take precautionary measures against static discharge  
**P260** Do not breathe vapors.  
**P264** Wash hands, forearms, and exposed areas thoroughly after handling  
**P273** Avoid release to the environment  
**P280** Wear protective clothing, protective gloves, face protection, and eye protection  
**P330** If swallowed, rinse mouth with water  
**P331** Do not induce vomiting  
**P303+P361+P353 IF ON SKIN OR HAIR:** take off immediately all contaminated clothing. Rinse skin with water.  
**P305+P351+P338** If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing.  
**P370+P378** In case of fire, use alcohol resistant foam, carbon dioxide (CO<sub>2</sub>), dry extinguishing powder, water to extinguish  
**P403+P235** Store in a well-ventilated place and keep cool  
**P337+P313** If eye irritation persists, get medical attention  
**P501** Dispose of contents accordingly to state, local, state, and federal guideline

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Water	7732-15-5	H <sub>2</sub> O	18.00	18-20%
Ethanol	64-17-5	C <sub>2</sub> H <sub>5</sub> OH	46.07	78-80%
Glycerol	56-81-5	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	92.09	2%
Hydrogen peroxide	7722-84-1	H <sub>2</sub> O <sub>2</sub>	34.01	<1%
Denatonium Benzoate	3734-33-6	C <sub>28</sub> H <sub>34</sub> N <sub>2</sub> O <sub>3</sub>	446.6	<0.1%
Tert-Butyl Alcohol	75-65-0	C <sub>4</sub> H <sub>10</sub> O	74.12	<0.1%
Fragrance Oil	N/A	N/A	N/A	0.3%

### SECTION 4 — FIRST AID MEASURES

**If exposed or concerned:** Call a POISON CENTER or physician (P307+P311).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351 +P338). **If eye irritation persists:** Get medical advice or attention (P337+P313). **If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell (P302+P301+P312).

### SECTION 5 — FIRE FIGHTING MEASURES

Class IB flammable liquid due to ethyl alcohol content.

Flash point: 21 °C

When heated, releases flammable fumes.

**In case of fire:** Use a tri-class dry chemical fire extinguisher (P370+P378).

**NFPA CODE**

H-2

F-3

R-0

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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Remove all ignition sources and ventilate area. Contain the spill with sand or other inert absorbent material and deposit in a sealed bag or container. See Sections 8 and 13 for further information.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides. Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor™ can.

Keep container tightly closed and cool (P233+P235). Use explosion-proof electrical and ventilating equipment (P241). Take precautionary measures against static discharge (P243).

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Use only in a hood or well-ventilated area (P271).

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Clear liquid. Strong alcohol odor.

Soluble: Miscible with water and many organic solvents.

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with oxidizing agents, peroxides, acids, acid chlorides, acid anhydrides, alkali metals, ammonia, moisture, heat, open flame, or any source of ignition.

Shelf life: Excellent, if stored properly.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Eye irritation, nausea, dizziness, headache.

Chronic effects: Liver damage, reproductive, teratogenic effects, carcinogen.

Target organs: Eyes, skin, central nervous system, liver, reproductive system.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26b is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Ethyl alcohol solution. Hazard class: 3, Flammable liquid. UN number: UN1170.

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (200-578-6), RCRA code D001.

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**SECTION 16 — OTHER INFORMATION**

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**Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.**