

Aaron Industries, Inc
WEST COAST DIVISION
11865 Alameda Street
Lynwood, CA 90262

MATERIAL SAFETY DATA SHEET

Information and Emergency Phone: 323-567-2482

Chemtrec: 800-424-9300

PRODUCT NAME: 70% ETHYL ALCOHOL

PRODUCT NUMBER: CF300-079

Synonyms: Ethyl, Rubbing Alcohol 70%

01. Hazard Rating (4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight)

- Health – 1
- Flammability – 2
- Reactivity - 0

02. Composition & Ingredients

Ingredients	CAS #
SDA 23-H (Special Denatured Alcohol)	64-17-5
Denatonium Benzoate	
Purified Water	

03. Physical Data

Characteristics	Description
Appearance	Clear Colorless Liquid
Odor	Alcoholic
Specific Gravity @ 15.56 °C	0.869 – 0.877
pH @ 25 °C	N/A
Vapor Pressure	44.6 mm Hg
Boiling Point	78.4 °C
Melting / Freezing Point	- 144 °C
Auto-Ignition Temperature	363 °C
Solubility in Water	Soluble
Percent Volatile By Weight	70%

04. Fire & Exposition

- Flash Point - 16 °C Close Up
- Flammable Limits - Lower: 3.3 vol% ; Upper: 19 vol%
- Flammability Classification – Combustible liquid as defined by the OSHA Hazard Communication Standard
- Hazardous Combustion Products – Carbon monoxide is expected to be the primary hazardous Combustion Product

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- Special Conditions To Avoid – Ethanol vapors are heavier than air and may travel a considerable distance to a source of ignition and flash back. Alcohols burn with a pale blue flame which may be extremely hard to see under normal lighting conditions. Personnel may only be able to feel the heat of the fire without seeing flames. Extreme caution must be exercised in fighting alcohol fires.
- Extinguishing Media – Use water spray, dry chemical, alcohol foam or CO₂
- Fire Fighting Instruction – Wear an approved positive pressure self-contained breathing apparatus and firefighter turnout gear. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Use water to keep fire exposed container cool until well after fire is out.

05. Hazards Identification

- Ethanol is not toxic by OSHA criteria. Coingestion of sedative hypnotics or tranquilizers can increase the toxic affects of ethanol.
- Eye – May produce transient severe eye irritation and pain.
- Skin – Defatting of the skin with irritation, dryness and cracking.
- Inhalation – Slight inhalation hazard
- Ingestion – Ingestion of large amount may produce signs of alcohol intoxication. Ingestion by children may lead to hypoglycemia
- Carcinogenicity -

06. Emergency & First Aid Procedures

- Eye – Immediately rinse eyes thoroughly with water for at least 15 minutes
- Oral Irritation – Discontinue use. See physician or dentist if symptoms persist
- Skin – Rinse with water, use soap if available. Remove contaminated clothing
- Ingestion / Intoxication – Seek medical attention if greater or equal to 2 ml/kg is ingested (e.g. greater or equal to 14 ml for a 7-kg child)
- Inhalation – N/A; Small amounts of the liquid aspirated into the respiratory system during ingestion or from vomiting, may cause bronchopneumonia pulmonary edema.

07. Accidental Release & Spill

- Personal Precautions: None Known
- Environmental Precautions: None Known
- Spill / Leak Clean-up – Dilute with Water. Keep away from ignition source. Flush down sewer with large quantities of water.

08. Exposure Controls & Personal Protection

- Engineering Controls – None required

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- Personal Protective Equipment
 - a. Eye – Safety glass
 - b. Skin – None required
 - c. Inhalation – Face mask

09. Handling and Storage

- Precautions for Safe Handling – Material must be isolated from potential sources of ignition. Fire fighting equipment must be available at all times.
- Conditions for Safe Storage - Storage area must be well ventilated, cool and dry.
- Other Recommendations – None

10. Stability and Reactivity

- Possible Hazardous Reactions – None Known
- Condition to Avoid – None Known
- Hazardous Decomposition Products – None Known
- Other Recommendation - None

11. Toxicological Information

- Not applicable under normal condition of use

12. Transport Information

- DOT Classification – Combustible liquid, not regulated in packages of less than 110 gallons. The product will not sustain combustion nor does it pose a significant fire hazard when used as intended

13. Additional Regulation Information

- 70% Ethyl Alcohol is a topic antiseptic regulated by the Food and Drug Administration. It is a combustible liquid within the definition of OSHA Hazard Communication standard

14. Other Information

- This Material Safety Data Sheet is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.