

Ethanol Hand Sanitizer, Gel



Safety Data Sheet

Date Prepared: 03/26/2020
Supersedes: New

Section 1 Identification

Product Identifier: Ethanol Hand Sanitizer, Gel

Product Use: Hand sanitizer

Restricted Uses: Avoid use in food and food products.

Company Identification: Tri-Chem Industries
Address: 2600 N Cresson Hwy
Cresson, Texas 7 USA 76035

Phone: 972-745-6875 (for product information)

For chemical emergency, call CHEMTREC day or night. Within USA and Canada, call 1-800-424-9300.

Section 2 Hazard(s) Identification

Classification: Flammable liquids Category 3
Serious eye damage/eye irritation Category 2A

Signal Word: Warning!

Hazard Statements: Flammable liquid and vapor. Causes serious eye irritation.

Precautionary Statements

Preventions: Keep container tightly closed. Keep away from heat, sparks, open flame, hot surfaces, and other ignition sources. No smoking. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly with soap and water after handling. Wear eye protection, face protection, protective clothing, and protective gloves.

Response: If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide for extinction. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container to an approved waste disposal plant.

Label Pictograms:



Section 3 Composition/Information on Ingredients

Contains Hazardous or Regulated Components

Chemical Name	Percentage	CAS Number	EC Number
Ethyl alcohol	70 - 72%	64-17-5	200-578-6
Non-hazardous components	28 - 30%	Proprietary	Proprietary

*Some items on this SDS may be designated as proprietary and/or trade secrets (TS). The exact % concentration of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA HCS 1910.1200.

Section 4 First-Aid Measures

Eyes: Immediately flush eyes thoroughly with water. Remove contact lenses. Continue flushing eyes for at least 15 minutes, including under lids. Seek immediate medical attention.

Skin: In case of contact, immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention if irritation or redness occurs. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before reuse.

Ingestion: Contact poison control (USA 1-800-222-1222). Do not induce vomiting without medical advice. If the individual is fully conscious, rinse mouth with water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave individual unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay individual on side with head lower than waist.

Inhalation: If respiratory irritation or distress occurs, remove individual to fresh air. Seek medical attention if respiratory irritation or distress continues. If breathing is difficult, give oxygen. If breathing has ceased, apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 Firefighting Measures

Flash Point: 77°F (25°C)

Autoignition Temperature: Not available

Hazardous Combustion Products: Burning or thermal decomposition creates carbon oxides, unburned hydrocarbons, or other toxic fumes.

Unusual Fire & Explosion Hazards: Flammable liquid and vapor. Properly ground and bond containers during transfers.

Extinguishing Media: Use dry chemical, CO₂, alcohol-resistance foam, and/or water fog.

Special Firefighting Procedures: Use full fire-bunker assembly with SCBA and water spray for exposure protection. Do not use a solid water stream, as it may scatter and spread fire. See **Section 16** for NFPA 704 information.

Section 6 Accidental Release Measures

Wear appropriate protective gear for the situation. See **Personal Protection** information in **Section 8**.

Containment of Spill: Evacuate and isolate the area. Remove all ignition sources. Ventilate the area if it can be done safely. Keep upwind and uphill from the spilled material. Dike or retain water used for dilution or firefighting for later disposal. Follow disposal procedure described in **Section 13**. Prevent entry into waterways, sewer, basements, or confined areas. Use caution as spilled material may create a slip hazard. Product should not be released into the environment.

Cleanup and Disposal of Spill: Vacuum or pump spills and collected material into an appropriate storage container. For spill residue, use absorbent materials such as dry earth, sand, or other noncombustible material. Use not-sparking tools. If diluting with water, collect water runoff for proper disposal per federal and state regulations.

Environmental and Regulatory Reporting: Runoff from fire control or dilution water may cause pollution. Spills may be reportable to the National Response Center (1-800-424-8802) and to state and/or local agencies.

Section 7 Handling and Storage

Minimum/Maximum Storage Temperature: Store at ambient temperatures.

Handling: Danger! FLAMMABLE liquid and vapor. Keep away from incompatible materials, heat, sparks, electrical equipment, fire, and all ignition sources. Use appropriate safety equipment. Ground containers when transferring. Empty containers are very hazardous. Refer to NFPA-77 and/or API RP 2003 for specific bonding/grounding requirements. Avoid inhalation or contact with eyes, skin, or clothing. Avoid prolonged or repeated exposure. Use with adequate ventilation. Wash contaminated clothing before reuse.

Storage: Store in tightly closed containers in area that is cool, dry, well-ventilated, and out of direct sunlight. Store the product in original container or appropriate end-use container. Keep away from open flames, hot surfaces, and sources of ignition. Keep from freezing. Do not store with incompatible materials (see **Section 10**).

Section 8 Exposure Controls/Personal Protection

Exposure Guidelines:

	<u>TWA</u>	<u>STEL</u>
Ethyl alcohol (64-17-5)		
ACGIH	1000 ppm	1000 ppm
OSHA	1000 ppm	Not available

Engineering Controls: The following traditional exposure techniques may be used to effectively minimize employee exposures:

Eye protection: When engaged in activities where product could contact the eye, wear safety glasses with side shields, goggles, or face shield.

Skin protection: Skin contact should be minimized through use of butyl rubber, nitrile, or other chemical resistant material and suitable long-sleeved chemical splash clothing. Protective clothing must be durable and permeation resistant.

Respiratory protection: Avoid actions that cause vapor exposure to occur. Use local or general ventilation to control exposures below applicable exposure limits. NIOSH- or MSHA-approved organic vapor-filter respirators should be used in the context of a respiratory protection program that meets the requirements of the OSHA Respiratory Protection Standard [29 CFR 1910.134]. Respirator or filter cartridge selection should be based on American National Standards Institute (ANSI) Z88.2-2015: Practices for Respiratory Protection.

Work Practice Controls: Personal hygiene is an important exposure-control measure. The following general measures should be taken when working with or handling this material:

Hygiene: Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. Do not store or consume foods, beverages, or tobacco products in areas where this material is stored.

Exposure control: Wash exposed skin promptly to remove accidental splashes or contact with this material.

Section 9 Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical state:	Viscous gel
Appearance:	Colorless
Odor:	Alcohol
Odor threshold:	Not available

<u>Property</u>	<u>Values (Method)</u>
Freezing point:	Not available
Boiling point:	Not available
Flash point:	77°F (25°C)
Evaporation rate:	1.7 (butyl acetate = 1)
Flammability (solid/gas):	Not applicable
Vapor pressure:	Not available
Vapor density:	2.1
Specific gravity (H₂O=1):	0.87
Solubility in water:	Soluble
Partition coefficient (n-octanol/water):	Log Pow -0.32
Decomposition temp.:	Not available
pH:	Not available
Autoignition temp.:	Not available
Viscosity:	Not available
Lower/upper explosive limits:	Not applicable
Crystallization temp.:	Not available
VOC content:	> 90%
Density:	7.10 lb/gal
Bulk density:	Not applicable

Section 10 Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Isolate from heat and open flame. Avoid high temperatures and incompatible materials. Do not allow to freeze.

Hazardous Polymerization: Hazardous polymerization will not occur.

Incompatibility With Other Materials: Reactive with strong oxidizing agents, flammable solids, self-reactive substances and mixtures, and water-reactive substances

Hazardous Decomposition: Burning or thermal decomposition creates carbon oxides, unburned hydrocarbons, or other toxic fumes.

Section 11 Toxicological Information

Acute Eye and Skin Toxicity Data:

Ethyl alcohol (64-17-5)		
Inhalation LC50	Rat	20000 mg/mL (10 hours, vapor)
Oral LD50	Rat	7060 mg/kg

Information on Potential Routes of Exposure:

Eyes: Avoid contact with eyes. Causes serious eye irritation. Symptoms may include stinging, tearing, and redness.

Skin: Not classified based on available information.

Inhalation: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

Ingestion: Do not ingest material. May cause gastrointestinal distress, vomiting, and/or diarrhea.

Target Organ Effects: Not available

Teratology: Not available

Mutagenicity: Not available

Reproduction: Not available

Chronic Toxicity: This product contains substance(s) that are considered by OSHA, NTP, IARC, or ACGIH to be "probable" or "suspected" human carcinogens: Ethyl alcohol - IARC Group 1, ACGIH A3,

Section 12 Ecological Information

Chemical Fate Information: Not available

Ecotoxicity: Potential significant ecotoxicity in the event of exposure to aquatic organisms and systems.

Ethyl alcohol (64-17-5)		
LC50	Fathead minnow	14,200 mg/L (96 hours)
EC50	Water flea	9268 mg/L (48 hours)

Persistence/Degradability: Readily biodegradable

Bioaccumulative Potential: Not available

Section 13 Disposal Considerations

Waste Disposal: Chemical additions, processing, or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate. Dispose of waste material according to local, state, and federal regulations.

Container Disposal Method: Emptied container may contain product residue and should not be reused.

Section 14 Transport Information

Department of Transportation (DOT): UN1987, Alcohols, n.o.s. (Contains Ethanol), 3, PGIII

International Air Transport Association (IATA): UN1987, Alcohols n.o.s. (Contains Ethanol), 3, PGIII

Section 15 Regulatory Information

Federal Regulatory Status:

Status under OSHA Hazard Communication Standard, 29 CFR 1910.1200: This product is considered a “hazardous chemical” under this regulation and should be included in the employer’s hazard communication program.

Reportable Quantities under CERCLA and EPCRA, 40 CFR 302 and 355: The product does not contain component(s) regulated under this section.

Clean Water Act Reporting 40 CFR 117 Section 311: The product does not contain component(s) regulated under this section.

Clean Air Act Reporting: The product does not contain component(s) regulated under this section.

Applicability of EPCRA Toxic Chemical Release Inventory (TRI) Reporting, 40 CFR 372:

Ethyl alcohol (64-17-5)	1.0% <i>De minimis</i>	Listed
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Status under the Toxic Substances Control Act, 40 CFR 710: All chemicals comprising this product are either exempt or listed on the TSCA Inventory.

Drug Enforcement Administration (DEA): This product is not regulated under 21 CFR 1310.02(b) and 1310.04(f)(2) or 21 CFR 1310.12.

SARA Title III Hazard Classes:	Acute Health Hazard:	Yes
	Chronic Health Hazard:	No
	Fire Hazard:	No
	Reactive Hazard:	No
	Release of Pressure:	No

State Regulations:

California: This product contains component(s) that are regulated under California Proposition 65: Ethyl alcohol (64-17-5)

Massachusetts: All components have been checked for inclusion on the Massachusetts Substance List (MSL). Those components present at or above the *de minimis* concentration include: Ethyl alcohol (64-17-5)

New Jersey: This product contains the following chemicals found on the New Jersey Right to Know Hazardous Substance List: Ethyl alcohol (64-17-5)

Pennsylvania: This product contains the following chemicals found on the Pennsylvania Hazardous Substance List: Ethyl alcohol (64-17-5)

International Regulations:

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Canadian Regulations:

Workplace Hazard Materials Information System (WHMIS): This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations, and the SDS contains all the information required by these regulations.

DSL/NDSL (Canadian) Listing: All ingredients in this product are listed on the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL), or are exempt from listing.

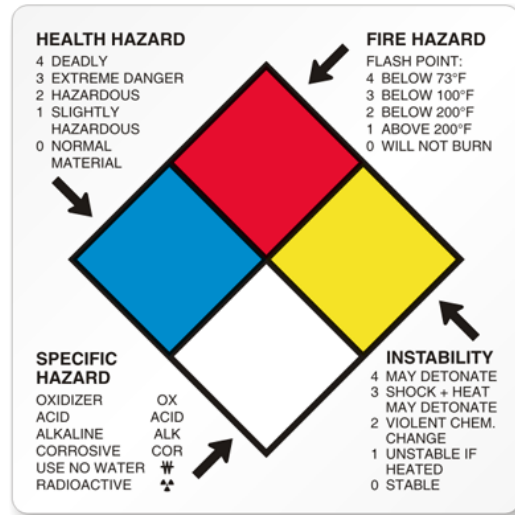
Section 16 Other Information

National Fire Protection Association (NFPA) Ratings:

Health: 2

Flammability: 3

Reactivity: 0



Hazardous Material Information System (HMIS):	Health	2
	Flammability	3
	Physical Hazard	0
	Personal Protection	D

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

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Protective Equipment: D (Safety glasses, gloves, chemical splash apron)



Disclaimer: The information contained in this document is given in good faith and based on Tri-Chem Industries current knowledge. This information is not a substitute for necessary prior tests, which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations.

END OF SDS