

Safety Data Sheet

Section 1 Product and Company Identification

Manufactured By: Fusion Chemical Corp.
99 E. Joe Street
Huntington, IN. 46750

Emergency phone number
260-443-1154

Sold By: Base-Guard

Product Name: **HAND SANITIZER - LIQUID**

Chemical Family: Alcohol Solution

Recommended use of the chemical – To be used to sanitize hands and surfaces

Prepared: 5-5-2020

Section 2 Hazards Identification

Classification of the Mixture: Clear colorless liquid.

Most Important Hazards: Highly flammable liquid and vapor. Causes eye irritation. May cause drowsiness and dizziness.

Hazard Classification:

Flammable liquids- Category 3

Eye irritation- Category 2A

Signal Word: Warning

Pictograms:



Precautionary Statements:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools.

Take precautionary measures against static discharge.

Eyes - Avoid contact with eyes. If in eyes, rinse with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists, get medical attention.

Take off contaminated clothing and wash before reuse.

Classification complies with OSHA Hazard Communication Standard(29 CFR 1910.1200) and is consistent with provisions of GHS.

Quantity of Ingredients with Unknown Acute Toxicity: <1.0%

Section 3 Composition Information on Ingredients

Ingredient	WT %	CAS #
ETHANOL	>80	64-17-5

Section 4 First Aid Measures

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If redness, burning, blurred vision or irritation persists, transport to nearest medical facility for additional treatment.

Skin: If irritation occurs, get medical attention. Remove contaminated clothing. Do not reuse clothing until cleaned. If material is injected under the skin, transport to the nearest medical facility for additional treatment. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.

Ingestion: Do NOT induce vomiting and obtain medical attention. Have victim rinse mouth out with water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

If used inappropriately, it can be an irritant to the eye. Product is not designed to be ingested.

Thoroughly wash with fresh water. If irritant persists, please contact immediate medical attention.

Section 5 Fire Fighting Measures

Flammable Properties:

Flash point: 59.9 °F (ASTM D56) Flammable limits in air: 2% Auto ignition temperature: 362 C

Extinguishing media: CO₂, dry chemical, alcohol resistant foam

Special firefighting measure:

Flammable. Vapors may form explosive mixtures with air. Vapors are heavier than air and may spread along floors. Vapors may travel to areas away from work site before igniting/flashing back to vapor source. Use foam or dry chemical to extinguish fire. Water may be used only to keep surrounding containers cool. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Section 6 Accidental Release Measures

- Eliminate ignition sources and ventilate area.
- Absorb spillage with inert absorbent material.
- Contain spill and keep from entering waterways or sewers.
- Advise EPA/state agency if required.
- Use proper personal protective equipment for clean-up.
- Treat contaminated absorbent same as spilled product.

Section 7 Handling and Storage

Handling and Storage Precautions: Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use general ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area.

Work/Hygienic Practices: Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Contaminated leather articles including shoes cannot be decontaminated and should be destroyed to prevent reuse.

Section 8 Personal Protection/ Exposure Controls

Engineering Controls: Use adequate ventilation to keep vapors and mists of this material below applicable standards.

Respiratory Protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Skin Protection: Use protective clothing that is chemically resistant to this product. Acceptable materials for gloves and aprons are: neoprene, nitrile rubber or viton.

Eye Protection: Use safety glasses or goggles. Have suitable eye wash water available.

Other/General Protection: For mists and vapors: Air Purifying, organic vapor cartridge, NIOSH approved respirator. Use self-contained breathing apparatus for environments with unknown concentrations or emergency situations.

Chemical Name

ETHANOL

OSHA TWA (ppm)

1000

ACGIH TWA

1900 mg/m³

Section 9 Physical and Chemical Properties

Color:	Colorless
Appearance:	Clear Liquid
Upper/Lower or explosive Limits:	Upper 18.0 vol % - Lower 3.3 vol%
Odor:	Characteristic
Vapor Density (air = 1):	2.1
Vapor Pressure:	N/A
pH@ 10%:	6.5-8.5
Relative Density:	6.53
Melting Point/Freezing Point:	-75F or -59C
Solubility in Water:	Complete
Boiling Point:	>212° F
Flash Point:	59.9 °F (ASTM D56)
Evaporation Rate (Butyl Acetate = 1):	1.3
Flamability (solid,gas):	N/A
Partition Coefficient: N-octanol/water	N/A
Auto-Ignition temperature:	685 F or 362 C
Decomposition temperature:	N/A
Viscosity @ 40C:	N/A
% Volatile by Volume:	80%
Reactivity in Water:	Non-reactive
Specific Gravity:	0.785

Section 10 Stability and Reactivity

Stability: Stable **Conditions to avoid:** Sources of ignition. **Incompatibility:** Strong oxidizing or reducing agents.
Decomposition Products: Oxides of Carbon and Hydrogen. **Hazardous Polymerization:** Will not occur.

Section 11 Toxicological Information

Likely Routes of Exposure: Inhalation, skin, eyes and ingestion.

Potential Health Effects:

Eye Effects: This mixture can cause irritation, redness to the eyes.

Skin Effects: Prolonged and/or repeated skin contact may cause irritation/dermatitis.

Oral Effects: Harmful if swallowed. May cause burns to mouth and esophagus. Gastrointestinal tract irritation, nausea and vomiting.

Inhalation Effects: Harmful if inhaled. May cause respiratory tract irritation.

Chronic Health Effects: Primary target organs following repeated exposure are eyes, skin, lungs.

Mutagenicity: Negative

Carcinogenicity: This mixture does not contain any component that is listed as a carcinogenic or a potential carcinogen by the National Toxicology Program, by the I.A.R.C. monographs or by OSHA.

Teratogenicity: Negative.

Sensitization: Negative

Toxicological Data: No data available or estimated

Section 12 Ecological Information

Not classified due to inadequate data available on this mixture. Recommend avoidance of release to the environment.

Section 13 Disposal Considerations

Avoid release to the environment. Dispose in a safe manner in accordance with national, state and local regulations. Not a RCRA hazardous waste if uncontaminated. If "used" RCRA criteria must be determined. Dispose of container by recycling or if permitted incineration.

Section 14 Transportation Information

DOT UN/ID No. : UN 1170
Proper shipping name: Ethanol (Ethyl Alcohol)
Hazard Class 3
Packing group II

Section 15 Regulatory Information

U.S. Federal Regulatory Information:

SARA 302 Threshold Planning Quantity: N/A SARA 304 Reportable Quantity: N/A

SARA 311 Categories:

Acute Health Effects:	Yes
Chronic Health Effects:	None
Fire Hazard:	Yes
Sudden Release of Pressure Hazard:	Yes
Reactivity Hazard:	No

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

EPA Hazard Classification Code: Not applicable

CERCLA: No chemicals in this product are subject to the reporting requirements of CERCLA.

SARA Title III - Section 313 Supplier Notification: No Chemicals in this product exceed the DE Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

WHMIS Classification: WHMIS controlled. Class D; Division 2, Subdivision B: otherwise causing toxic effects.

Other Regulations: All components of this formulation are listed on the CEPA-DSL (Domestic Substance List)

Section 16 Other Information

NFPA Hazard Rating:

Health:	2	Moderate
Flammability:	3	Severe
Reactivity:	0	Negligible

SDS Dated: 03/23/2020

SDS Revision Date: Original

*Threshold Limit Value/Personal Exposure Limit

N/A = Not Applicable

N/E = Not Established

Disclaimer of Express or Implied Warranties

The information contained herein is based upon data believed to be reliable and reflects our best professional judgment. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy of completeness of the information contained therein and assume no responsibility regarding the suitability of this information for the user's intended purpose or for the consequence of its use. Each individual should make a determination as to the suitability of the information for his/her particular purpose(s).

