

# SAFETY DATA SHEET

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## SECTION 1: IDENTIFICATION

Product name: Hand Sanitizer Spray  
Product ID: HS04-60ML-AL  
Product type: Finished Product  
Recommended use: Hand Sanitizer  
Manufacturer or Distributor: Diversified Hospitality Solutions  
27980 Oak Ridge Rd. Suite B  
Escondido, CA 92026  
619-312-0003  
E-mail Address: office@diversifiedhospitality.com  
Emergency Telephone: ChemTel Inc.  
1-800-255-3924 (Contract # MIS4218947)

## SECTION 2: HAZARD IDENTIFICATION

Eye damage/irritation: 2A  
Signal word: Danger  
Hazard statements: Highly Flammable liquid and vapor; Causes serious eye irritation

Hazard pictograms:  Flammable liquids Category 2  
 Eye Damage/Irritation Category 2A

Precautionary statements - prevention: Keep away from heat/sparks/open flames/hot surfaces – no smoking; Ground/bond container and receiving equipment; Use explosion-proof electrical/ventilating/lighting equipment; Use only non-sparking tools; take precautionary measures against static discharge; Do not eat, drink or smoke when using product; Avoid release to the environment; Wear protective gloves and eye/face protection; In case of fire use dry sand, dry chemical or alcohol-resistant foam for extinction. Observe good industrial hygiene practices; Store in well ventilated place; Keep Cool

Precautionary statements - response: IF ON/IN EYES: Rinse cautiously with water for several minutes; Remove contact lenses if present and easy to do; Continue rinsing  
Take off contaminated clothing and wash it before reuse  
IN CASE OF FIRE: Use dry sand, dry chemical or alcohol-resistant foam for extinction

Precautionary statements - storage: Keep container tightly closed

Precautionary statements - disposal: Dispose of contents/container in accordance with local regulations

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Composition          | CAS No.    | Formula   | EINECS    | Composition |
|-------------------------------|------------|---|-----------|-------------|
| Ethanol                       | 64-17-5    | C <sub>2</sub> H <sub>5</sub> OH                | 200-578-6 | **          |
| Water                         | 7732-18-5  | H <sub>2</sub> O                                | 231-791-2 | **          |
| Dichlorobenzyl alcohol        | 1777-82-8  | C <sub>7</sub> H <sub>6</sub> Cl <sub>2</sub> O | 217-210-5 | **          |
| Glycerin                      | 56-81-5    | C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>    | 200-289-5 | **          |
| Aloe Barbadosis<br>Leaf Juice | 85507-69-3 | /   | 287-390-8 | **          |

Tocopherol 59-02-9 C29H50O2 200-412-2 \*\*  
Fragrance / / / /

\*\*The composition and specific chemical identity and/or exact percentage (concentration) has been withheld as proprietary

#### SECTION 4: FIRST AID MEASURES

First aid measures for different exposure routes

Eye contact: Causes serious eye irritation. Symptoms may include redness, pain, swelling, itching, burning, tearing and blurred vision

Skin contact: None under normal use

Ingestion: Ingestion is likely to be harmful or have adverse effects

Inhalation: Assure fresh air breathing. When Symptoms occur go into open air and ventilate suspected area

Most important symptoms/effects, acute and delayed: Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: Treat symptomatically; Refer to SDS

General Information: Keep victim warm and quiet; Ensure that medical personnel are aware of the materials involved and take precautions to protect themselves

#### SECTION 5: FIRE-FIGHTING MEASURES

Flammable Properties: Constituents in product may have a very low flashpoint: Use of water spray when fighting fire may be inefficient

Suitable extinguishing media: Water spray, Fog or alcohol-resistant foam; Dry chemical powder; Carbon dioxide

Unsuitable extinguishing media: Massive Fires: Do not use unmanned hose holders  
Large Fires: Do not use straight streams; Do not scatter spill material with high pressure streams  
Small Fires: Do Not use dry chemical extinguishers to control fires involving nitromethane or nitroethane

Special hazard: Highly flammable: will be easily ignited by heat, sparks or flames; Vapors may travel to source or ignition and flashback; Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks)

Special protective equipment for fire-fighters: Self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear must be worn in case of fire

#### Fire-fighting Equipment/Instructions

Fire involving tanks or car/trailer loads: Fight fire from a distance or use unmanned hose holders or monitor nozzles; Cool containers with flooding quantities of water until well after fire goes out; Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank; Always stay away from tanks engulfed in fire; For massive fire, do not use unmanned hose holders or monitor nozzles; if it is possible, withdraw from area and let fire burn; Large fires: Do not use straight streams, Move containers from fire area if you can do it without risk, Dike fire-control water for later disposal.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions and protections: Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area)  
 Keep unnecessary personnel away. For personal protection see Section 8 of the SDS  
 All equipment used to handle the product must be grounded  
 Do not touch or walk through spilled material

Environmental precautions: Avoid discharge into drains, water courses or onto the ground  
 Eliminate all ignition sources (no smoking, sparks or flames in immediate areas)  
 A vapor suppressing foam may be used to reduce vapors  
 Prevent dust cloud

Methods of containment and cleaning up: Large spills – Stop the flow of material, if this is without risk. Dike the spilled area where possible. Absorb in dry earth, sand or other noncombustible material and place in containers. Use clean non-sparking tools to collect absorbed materials.

Small spills – With clean shovel place material into a clean dry container and cover loosely, move containers from spill area.

## SECTION 7: HANDLING AND STORAGE

Handling: Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces – no smoking. Use grounding and bonding connections when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers.

Handle empty containers with care because residual vapors are flammable.

Avoid prolonged exposure. Observe good industrial hygiene practices. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothes and protective equipment to remove contaminants.

Storage and Incompatibilities: Store in original tightly closed container. Store away from incompatible materials (see section 10 or the SDS)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

| COMPONENTS | LIMIT TYPE | OSHA PEL                                     | ACGIH TLV                 | NIOSH REL                                   |
|------------|------------|--|---------------------------|---|
| Ethanol    | TWA        | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> | STEL 1000 ppm             | TWA: 100 ppm<br>TWA: 1900 mg/m <sup>3</sup> |
| Glycerin   | TWA        | TWA: mg/m <sup>3</sup>                       | TWA: 10 mg/m <sup>3</sup> |   |

Notes: PEL = Permissible Exposure Limit; PPM= Parts per Million; REL = Recommended Exposure Limit; TVL = Threshold Limit Value.  
 TWA = Time-Weighted Average. All values are based on 2012 standards

Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure eye wash stations and safety showers are close to the workstation location.

PPE: Chemical resistant gloves, apron, boots, goggles/face shield

General Hygiene: Handle in accordance with good hygiene and safety practice

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid  
 Form: Liquid  
 Odor: Alcohol and Fragrance  
 Odor threshold: No information available

| <u>Property</u>                             | <u>Values Note</u>       |
|---|--------------------------|
| PH value:                                   | No information available |
| Relative evaporation rate:                  | No information available |
| Melting/freezing point:                     | No information available |
| Boiling point/boiling range:                | No information available |
| Flash point:                                | 13 – 18C (55,4 – 64.4F)  |
| Auto ignition temperature:                  | No information available |
| Decomposition temperature:                  | No information available |
| Flammability (solid, gas):                  | No information available |
| Flammability limits in air:                 | No information available |
| Vapor pressure:                             | No information available |
| Vapor density:                              | No information available |
| Relative density:                           | No information available |
| Bulk Density                                | 7.01 – 7.58 lb/gal       |
| Solubility in other solvents:               | Soluble in water         |
| Partition coefficient<br>(n-octanol/water): | No information available |
| Viscosity of product:                       | No information available |

## SECTION 10: STABILITY AND REACTIVITY

Reactivity: None under normal use conditions  
 Stability: Stable under normal conditions  
 Hazardous reactions: None under normal processing  
 Conditions to avoid: Heat, sparks and open flames  
 Direct sunlight  
 Extremely high or low temperatures

Materials to avoid: Strong acids, strong bases, strong oxidizers, silver salts, acid chlorides, alkali metals, metal hydrides, hydrazine

Hazardous decomposition products: Carbon monoxide, carbon dioxide

## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Ethanol

|                 |        |             |         |
|-----------------|--------|-------------|---------|
| LC50 Inhalation | Rat    | 124.7 mg/L  | 4 hours |
| LD50            | Rabbit | 20 ml/kg    |         |
| LD50            | RAT    | 10470 mg/kg |         |

#### Glycerin

|             |        |               |  |
|-------------|--------|---------------|--|
| LD50 Dermal | Rabbit | >10,000 mg/kg |  |
| LD50 Oral   | Rat    | 21,200 mg/kg  |  |

### Routes of Exposure

Eye Contact – Causes serious eye irritation  
 Skin Contact – No know significant effects or critical hazards  
 Inhalation – vapors may cause dizziness or suffocation

### Toxicological Effects

May cause slight redness and tearing of eyes

Mutagenicity  
 Not available  
 Carcinogenicity  
 Not classified  
 Reproductive Toxicity  
 No data available  
 Specific Target Organ Toxicity-Single Exposure  
 No data available  
 Specific Target Organ Toxicity-Repeated Exposure  
 No data available  
 Aspiration Hazard  
 No data available

### SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity  
 Ethanol  
 EC50 Daphnia magna 9268-14221 mg/L (48 h)  
 LC50 Pimephales promelas >100 mg/L (96 h static)

Persistence and Degradability  
 No data available

Bio accumulative Potential  
 Ethanol  
 Log P(0/w): -0.32

Mobility in Soil  
 No data available

Water Solubility  
 Water Soluble

### SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods  
 Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Regulations  
 Dispose in accordance with all applicable regulations

Waste from Residues/ Unused Products  
 Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. The material and its container must be disposed of in a safe manner

Hazardous Waste Code  
 The waste code should be assigned in discussion between the user, the producer and the waste disposal company

Contaminated Packaging  
 Follow label warnings. Containers should be taken to an approved waste handling site for appropriate disposal

### SECTION 14: TRANSPORT INFORMATION

DOT

|                          |                                     |
|--------------------------|-------------------------------------|
| UN Number                | UN1170                              |
| UN Proper Shipping Name  | UN1170, Ethanol Solutions, 3, PG II |
| Transport Hazard Classes | 3                                   |
| Packing Group            | II                                  |
| ERG                      | 127                                 |

IATA and IMO

|                          |                                     |
|--------------------------|-------------------------------------|
| UN Number                | UN1170                              |
| UN Proper Shipping Name  | UN1170, Ethanol Solutions, 3, PG II |
| Transport Hazard Classes | 3                                   |
| Packing Group            | II                                  |
| ERG                      | 3L                                  |

## SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations  
Not regulated

TSCA Section 12(b) Export Notifications (40 DFR,7078, Subpt.D)  
Listed on the United States TSCA  
Ethanol

US, OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)  
Not regulated

CERCLA (Superfund) Reportable Quantities  
Not regulated

Superfund Amendments and Reauthorization Act of 1986 (SARA)  
313 NA  
311, 312 – NA

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List  
Not regulated

Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130)  
Not regulated

Safe Drinking Water Act (SDWA)  
Not regulated

## SECTION 16: OTHER INFORMATION

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This document has been prepared in accordance with SDS requirements of the OSHA Hazard Communication Standard 29CFR 1910.1200(d)

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS