

SAFETY DATA SHEET

Revision Date: 01-OCT-2020

Issuing Date: 01-OCT-2020

SECTION 1: IDENTIFICATION

Product name: Hand Sanitizer Gel Alcohol Free
Product ID: HS01-30ML
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

This product when used according to instructions, is safe and presents no immediate or long-term health hazard. It is safe for consumers with intended and reasonable foreseeable use. Normal usage should not create hazardous conditions.

Precautionary statements - response:

IF IN EYES: Contact may cause mild, transient irritation. For irritation, 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.

IF ON SKIN (or hair): Not expected to be irritating, sensitizing, or phototoxic when used as intended. If irritation occurs following intended use or prolonged contact is expected to be mild and transient. If irritation persists get medical advice/attention.

Precautionary statements - storage: Store in dry area at normal temperatures
Precautionary statements - disposal: Dispose of contents/container in accordance with local regulations

Hazards not otherwise classified: Not Applicable

Other Information: Unknown Acute Toxicity

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Composition	CAS No.	Formula	EINECS	Composition
Silver Citrate				
Water	7732-18-5	H ₂ O	231-791-2	**
o-Cymen-5-ol				
Dichlorobenzyl alcohol	1777-82-8	C ₇ H ₆ Cl ₂ O	217-210-5	**
Acrylates/C10-30 alkyl acrylate crosspolymer	/	/	/	**
Triethanolamine	1002-71-6	C ₆ H ₁₅ NO ₃	203-049-8	**
Methyl Gluceth-20				
Glycerin Propylene Glycol				
Aloe Barbadosensis Leaf Juice	85507-69-3	/	287-390-8	**
Tocopherol	59-02-9	C ₂₉ H ₅₀ O ₂	200-412-2	**
Fragrance	/	/	/	/
May Contain One or More				
FD&C Yellow No. 5	1934-21-0	C ₁₆ H ₉ N ₄ Na ₃ O ₉ S ₂	217-699-5	**
FD&C Blue No.1	3844-45-9	C ₃₇ H ₃₄ N ₂ Na ₂ O ₉ S ₃	223-33-98	**

**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:	Flush with copious amounts of water immediately. Hold eyes(s) open and rinse slowly and gently with water. Remove contact lenses, then continue rinsing eye(s). If eye irritation persists, get medical advice/attention.
Skin contact:	None anticipated under foreseeable use conditions. Prolonged or repeated skin contact with this product may cause irritation in sensitive individuals. Get medical attention if irritation develops.
Ingestion:	Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call physician immediately.
Inhalation:	None expected under foreseeable conditions.

Most important symptoms/effects, acute and delayed: See Section 11 for symptom information.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: Treat symptomatically

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray, Fog or alcohol-resistant foam; Carbon dioxide
Unsuitable extinguishing media: No information available.

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: Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas. Isolate area. Keep unnecessary personnel away.

Methods of containment and cleaning up: Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material (sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations. Soak up with inert absorbent material. Clean up spillage with brush and shovel. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.

SECTION 7: HANDLING AND STORAGE

Handling: Store in a cool, dry place, keep away from heat, sparks and flames. Do not eat, drink or smoke when using this product. Use personal protection. Avoid contact with skin, eyes or clothing. Use only in well ventilated areas. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

Storage and Incompatibilities: Keep containers tightly closed in a dry, cool well-ventilated place. Keep from freezing. Keep away from heat, sparks, flame and other sources of ignition (i.e. pilot lights, electric motors and static electricity). Store between 40 to 100 degrees F.

Incompatible materials: Heat, sparks, open flame, other ignition sources. Keep away from hypochlorite acid and strong oxides.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

COMPONENTS	LIMIT TYPE	OSHA PEL	ACGIH TLV	NIOSH REL
Glycerin Propylene Glycol	TWA	TWA: mg/m ³	TWA: 10 mg/m ³	
Triethanolamine	TWA		TWA: 5 mg/m ³	

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. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not eat, drink or smoke when using this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
 Form: Liquid
 Odor: 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:	No information available
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
Solubility in other solvents:	Soluble in water

Partition coefficient
(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
Hazardous decomposition products: Carbon monoxide, carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

Glycerin

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

Routes of Exposure

Eye Contact – No irritant under normal use
Skin Contact – No irritant under normal use
Inhalation – Inhalation of vapors in high concentration may cause irritation of the respiratory system

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

The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

Persistence and Degradability

No data available

Mobility in Soil

No data available

Water Solubility

Water Soluble

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods

Disposal should be in accordance with applicable regional, national and local laws and regulations..

Regulations

Dispose in accordance with all applicable regulations

Contaminated Packaging

Dispose of in accordance with federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Non hazardous

IATA and IMO Non hazardous

SECTION 15: REGULATORY INFORMATION

TSCA Complies

DSL/NDSL Complies

EINECS/ELINCS Complies

US Federal Regulations SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substance regulated as pollutants to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA: This material, as supplied does not contain any substance regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA)(40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) 40 CFR 355.

US State Regulations California Proposition 65: This product does not contain any Proposition 65 chemicals.

While the finished product is not considered hazardous as defined by OSHA in 29 CFR 1910.1200, this SDS contains valuable information critical to the safe handling and proper use of the product

SECTION 16: OTHER INFORMATION

Revision Date: 1-Oct--2020

Issuing Date: 1-Oct- 2020

Reason for revision: Version 1

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

SAFETY DATA SHEET

Revision Date: 12-OCT-2020

Issuing Date: 18-AUG-2020

SECTION 1: IDENTIFICATION

Product name: Hand Sanitizer
Product ID: HS02-300ML, HS03-50ML-AL, HS05-30ML-AL, HS06-500ML-AL, HS07-240ML-AL, HS20-GAL-AL, HS21-GAL-ALFF
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



Precautionary statements - prevention: Eye Damage/Irritation Category 2A
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 name	CAS No.	Formula	EINECS	Composition
Ethanol	64-17-5	C ₂ H ₅ OH	200-578-6	**
Water	7732-18-5	H ₂ O	231-791-2	**
Dichlorobenzyl alcohol	1777-82-8	C ₇ H ₆ Cl ₂ O	217-210-5	**
Acrylates/C10-30 alkyl acrylate crosspolymer	/	/	/	**
Triethanolamine	1002-71-6	C ₆ H ₁₅ NO ₃	203-049-8	**
Methyl Gluceth-20				

Glycerin	56-81-5	C ₃ H ₈ O ₃	200-289-5	**
Organic Aloe Barbadensis Leaf Juice	85507-69-3	/	287-390-8	**
Tocopherol	59-02-9	C ₂₉ H ₅₀ O ₂	200-412-2	**
May Contain Fragrance May Contain One or More FD&C Yellow No. 5 FD&C Blue No.1	/	/	/	/
	1934-21-0	C ₁₆ H ₉ N ₄ Na ₃ O ₉ S ₂	217-699-5	**
	3844-45-9	C ₃₇ H ₃₄ N ₂ Na ₂ O ₉ S ₃	223-33-98	

**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.
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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 TWA: 1900 mg/m ³	STEL 1000 ppm	TWA: 100 ppm TWA: 1900 mg/m ³
Glycerin	TWA	TWA: mg/m ³	TWA: 10 mg/m ³	
Triethanolamine	TWA		TWA: 5 mg/m ³	

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: Clear 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 (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	

Ethanol

LD50 Oral	Mouse	5,846 mg/kg	
LD50 Oral	Rat	5,530 mg/kg	

Routes of Exposure

Eye Contact – Causes serious eye irritation
 Skin Contact – No known 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

Revision Date: 12-OCT-2020
Issuing Date: 18-AUG-2020
Reason for revision: New Items

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

Disclaimer

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End of SDS

SAFETY DATA SHEET

Revision Date: 04-AUG-2020

Issuing Date: 04-AUG-2020

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 ₂ H ₅ OH	200-578-6	**
Water	7732-18-5	H ₂ O	231-791-2	**
Dichlorobenzyl alcohol	1777-82-8	C ₇ H ₆ Cl ₂ O	217-210-5	**
Glycerin	56-81-5	C ₃ H ₈ O ₃	200-289-5	**
Aloe Barbadosis 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 TWA: 1900 mg/m ³	STEL 1000 ppm	TWA: 100 ppm TWA: 1900 mg/m ³
Glycerin	TWA	TWA: mg/m ³	TWA: 10 mg/m ³	

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 (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 At (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

Revision Date: 4-AUG-2020
Issuing Date: 4-AUG 2020
Reason for revision: Version 1

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

SAFETY DATA SHEET

Revision Date: 04-AUG-2020

Issuing Date: 04-AUG-2020

SECTION 1: IDENTIFICATION



Product name: Hand Sanitizing Wipe
Product ID: HS30-WIPE
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: Warning

Hazard statements: Highly Flammable liquid and vapor; Causes serious eye irritation, May cause drowsiness or dizziness

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; Avoid breathing dust/fume/gas/mist/vapors/spray/Use outdoors or in a 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
Water	7732-18-5	H ₂ O	231-791-2	**
Isopropyl Alcohol	67-63-0	CH ₃ CHOHCH ₃	200-661-7	**
Benzalkonium Chloride	63-449-41-2	C ₆ H ₅ CH ₂ N(CH ₃) ₂ RCl R=C ₈ H ₁₇ to C ₁₈ H ₃₇)	264-151-6	**
Didecylidmonium Chloride	7173-51-5	C ₂₂ H ₄₈ ClN	230-525-2	**
Aloe Barbadosensis Leaf Juice	85507-69-3	/	287-390-8	**

Tocopherol
Fragrance

59-02-9
/

C₂₉H₅₀O₂
/

200-412-2
/

**
/

**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. If irritation occurs consult a doctor

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. Consult doctor is symptoms persist.

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

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: CO₂, Extinguishing powder or water spray.

Unsuitable extinguishing media: Large Fires: Water spray or alcohol resistant foam

Special hazard: Carbon Oxides

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions and protections: Keep unnecessary personnel way. For personal protection see Section 8 of the SDS
Wear protective equipment

Environmental precautions: Dilute with plenty of water
Do not allow to enter sewers/surface or ground water

Methods of containment and cleaning up: Pick up Mechanically
Dispose contaminated material as waste according to section 13
Ensure adequate ventilation
Dispose of collected material according to regulations.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces – no smoking. Protect from heat. Store away from strong acids, strong bases, strong oxidizing agents and strong reducing agents

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Isopropyl alcohol	
PEL	Long-term value: 980 mg/m ³ 400 ppm
REL	Long Term value: 980 mg/m ³ 400 ppm Short-term value: 1225 mg/m ³ , 500 ppm
TLV	Long Term value: 984 mg/m ³ 400 ppm Short-term value: 492 mg/m ³ , 200 ppm BEI
BEI	40 mg/L, urine, end of shift at end of workweek, Acetone (background, nonspecific)

Notes: PEL = Permissible Exposure Limit; PPM= Parts per Million; REL = Recommended Exposure Limit; TVL = Threshold Limit Value.

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: Solid
 Form: Disposable wipe
 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:	No information available
Auto ignition temperature:	Not self-igniting
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	No information available
Solubility in other solvents:	No information available
Partition coefficient (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

Isopropyl alcohol		
Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)
	LC50/96 hours	9640 mg/l (Pimephales)

Routes of Exposure

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

Toxicological Effects

Irritant

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

Persistence and Degradability

No further relevant information available

Bio accumulative Potential

No further relevant information available

Other Adverse Effects

No further relevant information available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods

Recycle or dispose with household trash.

Regulations

Dispose in accordance with all applicable regulations

Waste from Residues/ Unused Products

Dispose of in accordance with local regulations.

Hazardous Waste Code

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

SECTION 14: TRANSPORT INFORMATION

DOT

UN Number	UN1987
UN Proper Shipping Name	Alcohols, NOS (Isopropyl Alcohol)
Transport Hazard Classes	3
Packing Group	III
ERG	127

IATA and IMO

UN Number	UN1988
UN Proper Shipping Name	UN1987, Alcohol

Transport Hazard Classes	3
Packing Group	III

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)

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CERCLA (Superfund) Reportable Quantities

Not regulated

Superfund Amendments and Reauthorization Act of 1986 (SARA)

355 NA

313 – NA

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End of SDS