

## PRODUCT SAFETY DATA SHEET

### SECTION #1. PRODUCT AND COMPANY IDENTIFICATION

Product Title:	<b>Drivergent Liquid Hand Sanitizer</b>
Recommended use:	Hand Antiseptic Sanitizer
Restrictions on use:	This is a personal care and/or cosmetic product that is safe for consumers, industrial and professional environments and for other users under normal and reasonably foreseeable use. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product. For specific intended-use guidance, please refer to the information provided on the package.
Product dilution information:	<b>Product is sold ready to use.</b> Made to the recommended specifications of the World Health Organization (WHO), and the U.S. Food and Drug Administration (FDA).
Company:	
Company Name:	Drivergent, Inc.
Address:	34575 Commerce Road, Fraser, MI 48026
Telephone:	(586) 800-3748
Emergency Telephone:	(734) 301-5687
Issuing date:	04/27/2020

### SECTION #2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids:	Category 3
Eye irritation:	Category 2A

#### GHA Label element

Hazard pictograms:



Signal word:	Warning
Hazard Statements:	Flammable liquid and vapor Causes serious eye irritation



Precautionary Statements:

**Prevention:** Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed.

**Response:** 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. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

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

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

Other hazards:

None known.

**SECTION #3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance / mixture: Mixture

Chemical Name	CAS-No.	Concentration (%)
Ethanol (95%)	64-17-5	80
Glycerol	56-81-5	1.45
Hydrogen Peroxide	7722-84-1	0.125
Deionized Water	7732-18-5	18.425

**SECTION #4. FIRST AID MEASURES**

In case of eye contact: Rinse with water.  
In case of skin contact: Rinse with water.  
If swallowed: Rinse mouth. Get medical attention if symptoms occur.  
If inhaled: Get medical attention if symptoms occur.  
Protection of first-aiders: No special precautions are necessary for first aid responders.  
Notes to physician: Treat symptomatically.

See toxicological information (Section 11)

**SECTION #5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: High volume water jet

Specific hazards during fire-fighting:	Fire Hazard Keep away from heat and sources of ignition. Flash back possible over considerable distance. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Hazardous combustion products:	Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Oxides of phosphorus
Special protective equipment for fire-fighters:	Use personal protective equipment.
Specific extinguishing methods:	Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

## SECTION #6. ACCIDENTAL RELEASE MEASURES

Personal precautions, Protective equipment and emergency procedures:	Remove all sources of ignition. Refer to protective measures listed in sections 7 and 8.
Environmental precautions:	Do not allow contact with soil, surface or ground water.
Methods and materials for containment and cleaning up:	Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

## SECTION #7. HANDLING AND STORAGE

Advice on safe handling:	Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).
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Conditions for safe storage: Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

Storage temperature: 0 °C to 25 °C

**SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION**

Ingredients with workplace control parameters

Ingredients	CAS-No.	Form of exposure	Permissible concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,00 ppm 1,900 mg/m <sup>3</sup>	OSHA Z1

Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Personal protective equipment**

Eye protection: No special protective equipment required.  
 Hand protection: No special protective equipment required.  
 Skin protection: No special protective equipment required.  
 Respiratory protection: No personal respiratory protective equipment normally required.  
 Hygiene measures: No specific measures identified.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: liquid gel  
 Color: clear, colorless  
 Odor: alcoholic  
 pH: 6.3 – 8.5, 100 %  
 Flash point: 23 °C closed cup, Sustains combustion  
 Odor Threshold: No data available  
 Melting point/freezing point: No data available  
 Initial boiling point and boiling range: No data available  
 Evaporation rate: No data available  
 Flammability (solid, gas): No data available  
 Upper explosion limit: No data available

Lower explosion limit:	No data available
Vapor pressure:	No data available
Relative vapor density:	No data available
Relative density:	0.84 -0.94
Water solubility:	No data available
Solubility in other solvents:	No data available
Partition coefficient:	
n-octanol/water:	No data available
Autoignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity, kinematic:	3,658.259 mm <sup>2</sup> /s (40 °C)
Explosive properties:	No data available
Oxidizing properties:	The substance or mixture is not classified as oxidizing.
Molecular weight:	No data available
VOC:	No data available

## SECTION 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Heat, flames and sparks.
Incompatible materials:	None known.
Hazardous decomposition products:	Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NO <sub>x</sub> ) Sulfur oxides Oxides of phosphorus

## SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:	Inhalation, Eye contact, Skin contact
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### Potential Health Effects

Eyes:	Causes eye irritation.
Skin:	Health injuries are not known or expected under normal use.
Ingestion:	Health injuries are not known or expected under normal use.
Inhalation:	Health injuries are not known or expected under normal use.
Chronic Exposure:	Health injuries are not known or expected under normal use.

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## Experience with human exposure

Eye contact:	Redness, Irritation
Skin contact:	No symptoms known or expected.
Ingestion:	No symptoms known or expected.
Inhalation:	No symptoms known or expected.

## Toxicity

Acute oral toxicity:	Acute toxicity estimate: > 5,000 mg/kg
Acute inhalation toxicity:	4 h Acute toxicity estimate : > 117 mg/l
Acute dermal toxicity:	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/eye irritation:	No data available
Respiratory or skin sensitization:	No data available

## Carcinogenicity

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Reproductive effects:	No data available
Germ cell mutagenicity:	No data available
Teratogenicity:	No data available
STOT-single exposure:	No data available
STOT-repeated exposure:	No data available
Aspiration toxicity:	No data available

## Ingredients

Acute dermal toxicity:	Ethanol Alcohol LD50Rabbit: 15,800 mg/kg
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SECTION 12. ECOLOGICAL INFORMATION

**Exotoxicity**

Environmental Effects: This product has no known ecotoxicological effects.

**Product**

Toxicity to fish: No data available

Toxicity to daphnia and other aquatic invertebrates:

No data available

Toxicity to algae:

No data available

**Ingredients**

Toxicity to fish:

Ethanol Alcohol  
96 h LC50 Fish: 11,000 mg/l

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods:

Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations:

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

RCRA -Resource Conservation  
and Recovery Authorization Act

Hazardous waste: D001 (Ignitable)

#### SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### SECTION 15. REGULATORY INFORMATION

##### **EPCRA -Emergency Planning and Community Right-to-Know**

##### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

##### **SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

##### **SARA 311/312 Hazards:**

Fire HazardAcute Health Hazard

##### **SARA 302:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

##### **SARA 313:**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

##### **California Prop 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

##### **The ingredients of this product are reported in the following inventories:**

##### **Switzerland. New notified substances and declared preparations:**

Not determined

##### **United States TSCA Inventory:**

On TSCA Inventory

##### **Canadian Domestic Substances List (DSL):**

All components of this product are on the Canadian DSL.



**Australia Inventory of Chemical Substances (AICS):**

On the inventory, or in compliance with the inventory

**New Zealand. Inventory of Chemical Substances:**

On the inventory, or in compliance with the inventory

**Japan. ENCS - Existing and New Chemical Substances Inventory:**

On the inventory, or in compliance with the inventory

**Japan. ISHL - Inventory of Chemical Substances (METI):**

not determined

**Korea. Korean Existing Chemicals Inventory (KECI):**

On the inventory, or in compliance with the inventory

**Philippines Inventory of Chemicals and Chemical Substances (PICCS):**

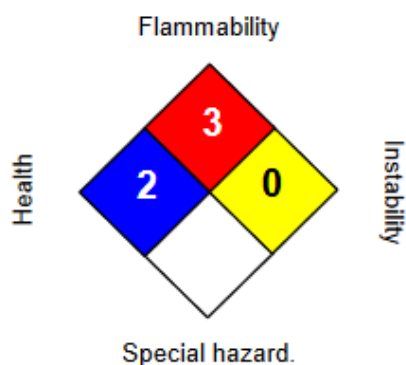
not determined

**China. Inventory of Existing Chemical Substances in China (IECSC):**

not determined

**SECTION 16. OTHER INFORMATION**

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Issuing date: 04/27/2020  
Version: 1.0  
Prepared by: Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material 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 a 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.