SAFETY DATA SHEET

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1. IDENTIFICATION

Product identifier

Product Name Hand Sanitizer (43087)

Other means of identification

Product Code(s) 1384535

Recommended use of the chemical and restrictions on use

Recommended Use Hand sanitizer

Restrictions on use No information available

Details of the supplier of the safety data sheet

Initial supplier identifier APOLLO HEALTH AND BEAUTY CARE INC.

Address 1 APOLLO PLACE
TORONTO
Ontario
M3J 0H2
Canada

Telephone Phone:416 758 3700
Fax:416 758 3701

E-mail dsanderson@apollocorp.com

Emergency telephone number Company Emergency Phone Number 416 758 3700

2. HAZARDS IDENTIFICATION

Classification

Flammable liquids Category 3

GHS Label elements, including precautionary statements
Warning

Hazard statements
Flammable liquid and vapor

Precautionary Statements - Prevention
Ground and bond container and receiving equipment
Use non-sparking tools
Take action to prevent static discharges
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Keep container tightly closed
Use explosion-proof electrical/ ventilating/ lighting/ equipment
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Skin
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]

Fire
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

Precautionary Statements - Storage
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other information
Toxic to aquatic life

Unknown acute toxicity
65 % of the mixture consists of ingredient(s) of unknown toxicity
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
65 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
65 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
65 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance
Not applicable.
4. FIRST AID MEASURES

**Description of first aid measures**

**Inhalation**
Remove to fresh air.

**Eye contact**
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

**Skin contact**
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Ingestion**
Clean mouth with water and drink afterwards plenty of water.

**Self-protection of the first aider**
Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information.

**Most important symptoms and effects, both acute and delayed**

**Symptoms**
No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians**
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

**Large Fire**
CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media**
Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical**
Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Hazardous Combustion Products**
Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact**
NONE.

**Sensitivity to Static Discharge**
Yes.

**Special protective equipment for fire-fighters**
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES
Personal precautions, protective equipment and emergency procedures

Personal precautions
Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other Information
Ventilate the area.

Methods and material for containment and cleaning up

Methods for containment
Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up
Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling
Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection 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. Use according to package label instructions.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Alberta</th>
<th>British Columbia</th>
<th>Ontario TWAEV</th>
<th>Quebec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol 64-17-5</td>
<td>TWA: 1000 ppm</td>
<td>STEL: 1000 ppm</td>
<td>STEL: 1000 ppm</td>
<td>TWA: 1000 ppm TWA: 1880 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA: 1880 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Other Exposure Guidelines
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls
Engineering controls
Shower
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection
Tight sealing safety goggles.

Hand protection
Wear suitable gloves. Impervious gloves.

Skin and body protection
Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

Respiratory protection
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations
Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Viscous liquid; Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting / freezing point</td>
<td>No data available</td>
<td>None known</td>
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<tr>
<td>Boiling point / boiling range</td>
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<td>None known</td>
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<tr>
<td>Flash Point</td>
<td>30 °C</td>
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</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
<td>None known</td>
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<tr>
<td>Flammability (solid, gas)</td>
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<td></td>
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<td>Flammability Limit in Air</td>
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<td></td>
</tr>
<tr>
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<td>None known</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
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</tr>
<tr>
<td>Relative density</td>
<td>0.88</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble in water</td>
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<td></td>
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<tr>
<td>Solubility(ies)</td>
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<td>None known</td>
<td></td>
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<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>N/A</td>
<td>None known</td>
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<tr>
<td>Autoignition temperature</td>
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<td>None known</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td>None known</td>
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</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
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<tr>
<td>Dynamic viscosity</td>
<td>12500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Information</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
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<td></td>
<td></td>
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<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Softening Point</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>No information available</td>
<td></td>
<td></td>
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</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity  
No information available.

Chemical stability  
Stable under normal conditions.

Possibility of Hazardous Reactions  
None under normal processing.

Hazardous Polymerization  
Hazardous polymerization does not occur.

Conditions to avoid  
Heat, flames and sparks.

Incompatible materials  
None known based on information supplied.

Hazardous Decomposition Products  
Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation  
Specific test data for the substance or mixture is not available.

Eye contact  
Specific test data for the substance or mixture is not available.

Skin contact  
Specific test data for the substance or mixture is not available.

Ingestion  
Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms

No information available.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral)  
10,861.50 mg/kg

ATEmix (inhalation-dust/mist)  
191.80 mg/L

Unknown acute toxicity

65 % of the mixture consists of ingredient(s) of unknown toxicity
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
65 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
65 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
65 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>= 7060 mg/kg (Rat)</td>
<td>-</td>
<td>= 124.7 mg/L (Rat) 4 h</td>
</tr>
</tbody>
</table>
Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation  No information available.

Serious eye damage/eye irritation  No information available.

Respiratory or skin sensitization  No information available.

Germ cell mutagenicity  No information available.

Carcinogenicity  No information available.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>A3</td>
<td>Group 1</td>
<td>Known</td>
<td>X</td>
</tr>
</tbody>
</table>

Legend

- **ACGIH (American Conference of Governmental Industrial Hygienists)**
  - A3 - Animal Carcinogen

- **IARC (International Agency for Research on Cancer)**
  - Group 1 - Carcinogenic to Humans

- **NTP (National Toxicology Program)**
  - Known - Known Carcinogen

- **OSHA (Occupational Safety and Health Administration of the US Department of Labor)**
  - X - Present

Reproductive toxicity  No information available.

STOT - single exposure  No information available.

STOT - repeated exposure  No information available.

Aspiration hazard  No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity  Toxic to aquatic life.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>-</td>
<td>96h LC50: 12.0 - 16.0 mL/L (Oncorhynchus mykiss) 96h LC50: 13400 - 15100 mg/L (Pimephales promelas) 96h LC50: &gt; 100 mg/L (Pimephales promelas)</td>
<td>EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min</td>
<td>24h EC50: = 10800 mg/L (Daphnia magna) 48h EC50: = 2 mg/L (Daphnia magna) 48h LC50: 9268 - 14221 mg/L (Daphnia magna)</td>
</tr>
</tbody>
</table>

Persistence and Degradability  No information available.

Bioaccumulation

Component Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Log Pow</th>
</tr>
</thead>
</table>
Ethyl alcohol

Mobility
No information available.

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products
Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging
Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

14. TRANSPORT INFORMATION

TDG

UN-No. UN1170
Proper Shipping Name ETHANOL SOLUTION
Hazard Class 3
Packing Group III
Description UN1170, ETHANOL SOLUTION, 3, III

DOT

Proper Shipping Name CONSUMER COMMODITY
Hazard Class ORM-D
Description CONSUMER COMMODITY, ORM-D
Emergency Response Guide Number 127

MEX

UN-No. UN1170
Proper Shipping Name ETHANOL SOLUTION
Hazard Class 3
Packing Group III
Description UN1170, ETHANOL SOLUTION, 3, III

ICAO

UN-No. UN1170
Proper Shipping Name ETHANOL SOLUTION
Hazard Class 3
Packing Group III
Description UN1170, ETHANOL SOLUTION, 3, III

IATA

UN-No. UN1170
Proper Shipping Name ETHANOL SOLUTION
Hazard Class 3
Packing Group III
ERG Code 3L
Description UN1170, ETHANOL SOLUTION, 3, III

IMDG/IMO

UN-No. UN1170
Proper Shipping Name ETHANOL SOLUTION
| Hazard Class | 3 |
| Packing Group | III |
| EmS-No. | F-E, S-D |
| Description | UN1170, ETHANOL SOLUTION, 3, III, (30°C C.C.) |

**RID**

<table>
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<th>RID</th>
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<tr>
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</tr>
<tr>
<td>Packing Group</td>
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<tr>
<td>Classification code</td>
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<tr>
<td>Description</td>
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**ADR**

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<tr>
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<tr>
<td>Packing Group</td>
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<tr>
<td>Classification code</td>
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</tr>
<tr>
<td>Tunnel restriction code</td>
<td>(D/E)</td>
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<tr>
<td>Description</td>
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**ADN**

<table>
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<tbody>
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<tr>
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<tr>
<td>Packing Group</td>
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<tr>
<td>Classification code</td>
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<td>Special Provisions</td>
<td>144, 601</td>
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<tr>
<td>Hazard Labels</td>
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<td>Limited Quantity</td>
<td>5 L</td>
<td></td>
</tr>
<tr>
<td>Ventilation</td>
<td>VE01</td>
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</table>

### 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**International Regulations**

- The Montreal Protocol on Substances that Deplete the Ozone Layer  Not applicable
- The Stockholm Convention on Persistent Organic Pollutants  Not applicable
- The Rotterdam Convention  Not applicable

**International Inventories**

- **TSCA**  Contact supplier for inventory compliance status.
- **DSL/NDSL**  Contact supplier for inventory compliance status.
- **EINECS/ELINCS**  Contact supplier for inventory compliance status.
- **ENCS**  Contact supplier for inventory compliance status.
- **KECL**  Contact supplier for inventory compliance status.
- **PICCS**  Contact supplier for inventory compliance status.
- **AICS**  Contact supplier for inventory compliance status.

**Legend**

- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Properties</th>
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</thead>
<tbody>
<tr>
<td></td>
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<td>3</td>
<td>0</td>
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<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Physical hazards</th>
<th>Personal Protection</th>
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<td>3</td>
<td>0</td>
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</table>

Prepared By
Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date
07-Apr-2020

Revision Date
09-Mar-2017

Revision Note
No information available

Disclaimer
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End of Safety Data Sheet