1. Identification

Product identifier: Gel Hand Sanitizer

Product list:
- Pacific Blue Basic™ Gel Hand Sanitizer SKU 48116
- Pacific Blue Select™ Gel Hand Sanitizer SKU 43341

Other means of identification: None.

Recommended use: This product is regulated as an Over-the-Counter (OTC) drug in the US and is intended for personal care use.

Manufacturer/Importer/Supplier/Distributor information:
- Company name: Georgia-Pacific Consumer Products LP
- Address: 133 Peachtree Street, NE
  Atlanta, GA 30303
- Telephone: Technical Information: 866.435.5647
  SDS Request: 404.652.5119
- E-mail: MSDSREQ@GAPAC.com
- Emergency phone number: Chemtrec - Emergency: 800.424.9300

2. Hazard(s) identification

Physical hazards: Flammable liquids
- Category 2

Health hazards:
- Eye irritation
  - Category 2A

Environmental hazards: Not classified.

OSHA defined hazards: Not classified.

Label elements:
- Signal word: Danger
- Precautionary statement:
  - Prevention: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/eye protection, if handling large quantities.
  - Response: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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 appropriate media to extinguish.
  - Storage: Store in a well-ventilated place. Keep cool.
  - Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
- Hazard(s) not otherwise classified (HNOC): In the event of a large spill, sparks may ignite liquid and vapor. May cause flash fire or explosion.

Supplemental information: None.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ALCOHOL</td>
<td></td>
<td>64-17-5</td>
<td>60.62</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
<td></td>
<td>67-63-0</td>
<td>3 - 5</td>
</tr>
<tr>
<td>Other components below reportable levels</td>
<td></td>
<td></td>
<td>30 - 40</td>
</tr>
</tbody>
</table>
Composition comments

Percent by volume concentration of ETHYL ALCOHOL (64-17-5) is 67% (v/v).


4. First-aid measures

Inhalation
Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact
If irritation occurs, flush skin with plenty of water. Call a physician if irritation persists.

Eye contact
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion
Rinse mouth. Do not induce vomiting without advice from poison control center. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed
Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Indication of immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically.

General information
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media
Alcohol resistant foam. Water fog. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
Flammable liquid - may release vapors that form flammable mixtures at or above the flash point. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions
In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
Highly flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Local authorities should be advised if significant spillages cannot be contained. Spills of this material are a slipping hazard.

Methods and materials for containment and cleaning up
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions
Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

7. Handling and storage

Precautions for safe handling
For external use only. Keep out of reach of children. Avoid contact with eyes; in case of contact, flush eyes with water. Wear gloves and safety glasses or goggles if handling large quantities. Do not handle or store near an open flame, heat or other sources of ignition. When using do not smoke.
Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Eliminate sources of ignition. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep in an area equipped with sprinklers.

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ALCOHOL (CAS 64-17-5)</td>
<td>PEL</td>
<td>1900 mg/m³</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL (CAS 67-63-0)</td>
<td>PEL</td>
<td>980 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ALCOHOL (CAS 64-17-5)</td>
<td>STEL</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL (CAS 67-63-0)</td>
<td>STEL</td>
<td>400 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. NIOSH: Pocket Guide to Chemical Hazards Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ALCOHOL (CAS 64-17-5)</td>
<td>TWA</td>
<td>1900 mg/m³</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL (CAS 67-63-0)</td>
<td>STEL</td>
<td>1000 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>1225 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>500 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>980 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>400 ppm</td>
</tr>
</tbody>
</table>

Biological limit values

<table>
<thead>
<tr>
<th>ACGIH Biological Exposure Indices Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL (CAS 67-63-0)</td>
<td>40 mg/l</td>
<td>Acetone</td>
<td>Urine</td>
<td>*</td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.

Appropriate engineering controls

General ventilation normally adequate.

Individual protection measures, such as personal protective equipment

Eye/face protection

None necessary under normal conditions of use. Wear safety glasses or goggles if handling large quantities.

Skin protection

Hand protection

None necessary under normal conditions of use. Wear appropriate gloves if handling large quantities.

Other

None necessary under normal conditions of use.

Respiratory protection

Under normal conditions of use respiratory protection is not expected to be required.

Thermal hazards

Not applicable.

9. Physical and chemical properties

Appearance

Physical state    Liquid gel
Form              Liquid gel.
Color             Colorless
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol</td>
<td>Not available.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>6 - 8.5</td>
</tr>
<tr>
<td>pH</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>173.3 °F (78.5 °C) estimated</td>
</tr>
<tr>
<td>Flash point</td>
<td>65.0 - 68.0 °F (18.3 - 20.0 °C)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td></td>
</tr>
<tr>
<td>Flammability limit - lower (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability limit - upper (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive limit - lower (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive limit - upper (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.89 g/ml</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>Complete</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>685 °F (362.78 °C) estimated</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Other information</td>
<td></td>
</tr>
<tr>
<td>Flammability class</td>
<td>Flammable IB estimated</td>
</tr>
<tr>
<td>10. Stability and reactivity</td>
<td></td>
</tr>
<tr>
<td>Reactivity</td>
<td>The product is stable and non-reactive under normal conditions of use, storage and transport.</td>
</tr>
<tr>
<td>Chemical stability</td>
<td>Material is stable under normal conditions.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Hazardous polymerization does not occur.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Strong oxidizing agents.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Small amounts of nitrogen oxides, carbon monoxide, carbon dioxide and hydrocarbons may be released.</td>
</tr>
<tr>
<td>11. Toxicological information</td>
<td></td>
</tr>
<tr>
<td>Information on likely routes of exposure</td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>No effects expected under normal conditions of use.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>No effects expected under normal conditions of use. Prolonged skin contact may cause temporary irritation.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No effects expected under normal conditions of use. May be harmful if swallowed.</td>
</tr>
<tr>
<td>Symptoms related to the physical, chemical and toxicological characteristics</td>
<td>Causes eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.</td>
</tr>
<tr>
<td>Information on toxicological effects</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity</td>
<td>Not known.</td>
</tr>
</tbody>
</table>
### Test Results

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gel Hand Sanitizer</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>5000 g/kg estimated</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>193 mg/l, 4 Hours estimated</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
<td>13496 mg/kg estimated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ALCOHOL (CAS 64-17-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>117 - 125 mg/l, 4 Hours</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
<td>8300 mg/kg</td>
</tr>
</tbody>
</table>

| ISOPROPYL ALCOHOL (CAS 67-63-0) |         |              |
| **Acute**                     |         |              |
| **Dermal**                    |         |              |
| LD50                          | Rabbit  | 16.4 ml/kg |
| **Inhalation**                |         |              |
| LD50                          | Rabbit  | > 1000 ppm, 6 hours |
| **Oral**                      |         |              |
| LD50                          | Rat     | 5.84 g/kg |

**Skin corrosion/irritation**

Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitization**

- **Respiratory sensitization**: Not a respiratory sensitizer.
- **Skin sensitization**: This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**

Not hazardous under normal conditions of use. Ethanol: Chronic ingestion of ethanol in alcoholic beverages is classified by IARC as Group 1 Carcinogenic to humans.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.


Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity**

Not hazardous under normal conditions of use. Chronic ingestion of ethanol can cause reproductive/developmental effects.

**Specific target organ toxicity - single exposure**

Not classified.

**Specific target organ toxicity - repeated exposure**

Not classified.

**Aspiration hazard**

Not an aspiration hazard.

**Chronic effects**

Not hazardous under normal conditions of use. Chronic ingestion of ethanol can cause liver toxicity.

### 12. Ecological information

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>19709.748 mg/l, 96 hours estimated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic</td>
<td>Ethyl alcohol (CAS 64-17-5)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50 Fathead minnow (Pimephales promelas) 13400 - 15100 mg/l, 96 hours</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL (CAS 67-63-0)</td>
<td>Aquatic</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50 Pimephales promelas 10000 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

**Persistence and degradability**

No data is available on the degradability of any ingredients in the mixture.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

- Ethyl alcohol: -0.31
- Isopropyl alcohol: 0.05

**Mobility in soil**

No data available.

**Other adverse effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposal considerations**

**Disposal instructions**

This product, if discarded as supplied, is considered a hazardous waste under RCRA, D001.

**Local disposal regulations**

Dispose in accordance with all applicable regulations.

**Hazardous waste code**

D001: Waste Flammable material with a flash point <140 F

**Waste from residues / unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport information**

**DOT**

**UN number**

UN1993

**UN proper shipping name**

Flammable liquids, n.o.s. (ISOPROPYL ALCOHOL, ETHYL ALCOHOL), Limited Quantity

**Transport hazard class(es)**

- Class: 3
- Subsidiary risk: -
- Label(s): 3

**Packing group**

II

**Special precautions for user**

Read safety instructions, SDS and emergency procedures before handling.

**Special provisions**

IB2, T7, TP1, TP8, TP28

**Packaging exceptions**

150

**Packaging non bulk**

202

**Packaging bulk**

242

**IATA**

**UN number**

UN1993

**UN proper shipping name**

Flammable liquid, n.o.s. (ISOPROPYL ALCOHOL, ETHYL ALCOHOL), Limited Quantity

**Transport hazard class(es)**

- Class: 3
- Subsidiary risk: -
- Packing group: II
- Environmental hazards: No.
- ERG Code: 3H

**Special precautions for user**

Read safety instructions, SDS and emergency procedures before handling.
Other information
   Passenger and cargo aircraft: Allowed with restrictions.
   Cargo aircraft only: Allowed with restrictions.

IMDG
   UN number: UN1993
   UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (ISOPROPYL ALCOHOL, ETHYL ALCOHOL), Limited Quantity
   Transport hazard class(es)
     Class: 3
     Subsidiary risk: -
     Packing group: II
   Environmental hazards
     Marine pollutant: No.
   EmS: F-E, S-E

Special precautions for user
   Read safety instructions, SDS and emergency procedures before handling.
   Not established.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

DOT; IMDG

IATA

General information
   May be classified/shipped as Limited Quantity (LTD QTY) if Packaging exceptions requirements are met.

15. Regulatory information

US federal regulations

   TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
     Not regulated.
   CERCLA Hazardous Substance List (40 CFR 302.4)
     Not listed.
   SARA 304 Emergency release notification
     Not regulated.
   OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)
     Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
   SARA 302 Extremely hazardous substance
     Not listed.
   SARA 311/312 Hazardous chemical
     Yes
Classified hazard categories

- Flammable (gases, aerosols, liquids, or solids)
- Serious eye damage or eye irritation
- Hazard not otherwise classified (HNOC)

SARA 313 (TRI reporting)

- Not regulated.

Other federal regulations

- Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
  - Not regulated.
- Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
  - Not regulated.
- Safe Drinking Water Act (SDWA)
  - Not regulated.

US state regulations

- California Proposition 65
  California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.
- US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
  ISOPROPYL ALCOHOL (CAS 67-63-0)

16. Other information, including date of preparation or last revision

Issue date: March-14-2018
Version #: 01

HMIS® ratings

- Health: 2
- Flammability: 3
- Physical hazard: 0

NFPA ratings

- Health: 2
- Flammability: 3
- Instability: 0

Disclaimer

This SDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as of the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handled, or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractors, and customers who will use the product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure of what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.