

**Section 1: PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Pacific Garden® Foam and Gel Hand Sanitizer  
**Product Number:** (See product list found in section 16)  
**Product Use:** Hand sanitizer.  
**Manufacturer/Supplier:** Georgia-Pacific Consumer Products LLC  
133 Peachtree Street, N.E., Atlanta, GA 30303  
**Phone Number:** (866) 435-5647 (Technical Information)  
(404) 652-5119 (MSDS Request)  
**Emergency Phone:** CHEMTREC (800) 424-9300  
**Date of Preparation:** November 20, 2008

**Section 2: HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW****WARNING**

Flammable. Contact with product may cause irritation to eyes and skin. For external use only. Keep out of children's reach.

**Likely Routes of Exposure:** Eye contact, skin contact.

**Potential Health Effects:**

- Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production.
- Skin:** Not expected to be a primary skin irritant. Prolonged and/or repeated skin contact with this product may cause irritation.
- Ingestion:** Not applicable under normal conditions of use. May cause gastrointestinal irritation if ingested.
- Inhalation:** May cause respiratory tract irritation.

**Medical Conditions Aggravated By Exposure:** Because of its irritating properties, dust may aggravate preexisting eye, skin, and respiratory conditions.

**Target Organs:** Eyes, skin.

**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>CAS #</b>	<b>Vol. %</b>	<b>Wt. %</b>
Ethyl alcohol	64-17-5	61 - 66	48 - 54
Water	7732-18-5	15 - 40	15 - 40
Isopropyl alcohol	67-63-0	1 - 5	1 - 5

**Section 4: FIRST AID MEASURES**

- Eye Contact:** In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
- Skin Contact:** If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.
- Inhalation:** Not a normal route of exposure. If symptoms develop, remove to fresh air. Get medical attention if condition worsens.
- Ingestion:** If swallowed, seek medical attention or call poison control.

**Section 5: FIRE FIGHTING MEASURES**

**Flammability:** Flammable by OSHA/WHMIS criteria.

**Means of Extinction:**

**Suitable Extinguishing Media:** Powder, water spray, foam, carbon dioxide.

**Unsuitable Extinguishing Media:** Not available.

**Products of Combustion:** Small amounts of oxides of nitrogen, carbon monoxide, carbon dioxide and hydrocarbons may be released.

**Explosion Data:**

**Sensitivity to Mechanical Impact:** Not applicable.

**Sensitivity to Static Discharge:** Not applicable.

**Protection of Firefighters:** Firefighters should wear full protective clothing including self contained breathing apparatus.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate the area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

**Environmental Precautions:** If large quantities enter a waterway, advise local authorities.

**Methods for Containment:** Contain and/or absorb spill, then place in a suitable container.

**Methods for Clean-Up:** Soak into absorbent material. Spills of this material are a slipping hazard. Thoroughly wash the area with water after a spill or leak.

**Section 7: HANDLING AND STORAGE****Handling:**

Keep away from sources of ignition. - No smoking. Avoid contact with eyes. Do not swallow. Wear gloves and safety glasses or goggles if handling large quantities. For external use only.

**Storage:**

Keep out of the reach of children. Keep container tightly closed. Do not store at temperatures above 49°C.

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**
**Exposure Guidelines**
**Exposure Limits**

Ingredient	CAS #	OSHA-PEL	ACGIH-TLV
Ethyl alcohol	64-17-5	1000 ppm	1000 ppm
Water	7732-18-5	Not available.	Not available.
Isopropyl alcohol	67-63-0	400 ppm	200 ppm

**Engineering Controls:** Ventilation is not normally required.

**Personal Protective Equipment:**

**Eye/Face Protection:** None necessary under normal conditions of use. Wear safety glasses or goggles if handling large quantities.

**Skin Protection:** None necessary under normal conditions of use. Wear gloves if handling large quantities.

**Respiratory Protection:** Not normally needed.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear.
<b>Color:</b>	Various.
<b>Odor:</b>	None / Citrus / Lavender
<b>Odor Threshold:</b>	Not available.
<b>Physical State:</b>	Liquid.
<b>pH:</b>	6-8
<b>Viscosity:</b>	Not available.
<b>Freezing Point:</b>	Not available.
<b>Boiling Point:</b>	~ 78 °C (~ 173 °F)
<b>Flash Point:</b>	17 - 25°C (62 - 77°F)
<b>Evaporation Rate:</b>	Not available.
<b>Lower Flammability Limit:</b>	3% (Ethanol)
<b>Upper Flammability Limit:</b>	19% (Ethanol)
<b>Vapor Pressure:</b>	19
<b>Vapor Density:</b>	1.6
<b>Specific Gravity:</b>	0.8 - 0.9
<b>Solubility in Water:</b>	Complete.
<b>Coefficient of Water/Oil Distribution:</b>	Not available.
<b>Auto-ignition Temperature:</b>	Not available.
<b>Percent Volatile, wt. %:</b>	Not available.
<b>VOC content, wt. %:</b>	Not available.

**Section 10: STABILITY AND REACTIVITY**

**Stability:** Stable under normal storage conditions. Keep in a cool place.

**Conditions of Reactivity:** Heat. Ignition sources. Incompatible materials.

**Incompatible Materials:** Oxidizers. Acids. Chlorine bleach. Contact with metals.

**Hazardous Decomposition Products:** Small amounts of oxides of nitrogen, carbon monoxide, carbon dioxide and hydrocarbons may be released.

**Section 11: TOXICOLOGY INFORMATION**
**EFFECTS OF ACUTE EXPOSURE**

Contact with this product may cause eye irritation.

**Component Analysis**

Ingredient	LD <sub>50</sub> (oral)	LC <sub>50</sub>
Ethyl alcohol	7060 mg/kg, rat	20000 ppm 10hrs, rat
Water	Not available.	Not available.
Isopropyl alcohol	5045 mg/kg, rat 12800 mg/kg, dermal, rat	16970 ppm 4 hrs, rat

**EFFECTS OF CHRONIC EXPOSURE**

**Target Organs:** Product may cause eye and skin irritation. Chronic ingestion of ethanol can cause reproductive/developmental and liver disorders. No target organ chronic effects under normal conditions of use.

**Chronic Effects:** Chronic toxic effects are unlikely under normal conditions of use.

**Carcinogenicity:** Not hazardous under normal conditions of use.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen
Ethanol	IARC - 1 - The agent is carcinogenic to humans (Alcohol drinking)

**Mutagenicity; Reproductive Effects; Teratogenicity; Embryotoxicity; Respiratory Sensitization; Skin Sensitization:** Hazardous by OSHA/WHMIS criteria (Muta genicity). Not hazardous under normal conditions of use.

**Toxicologically Synergistic Materials:** Not available.

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** No ecological consideration when used according to directions. Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful.

**Ethyl alcohol (64-17-5)**

Test & Species	Concentration	Conditions
96 Hr LC <sub>50</sub> rainbow trout (30 days old)	12900 mg/L	flow-through
24 Hr LC <sub>50</sub> fingerling trout	11200 mg/L	
96 Hr LC <sub>50</sub> fathead minnow	14200 mg/L	flow-through
5 min EC <sub>50</sub> Photobacterium phosphoreum	35470 mg/L	
30 min EC <sub>50</sub> Photobacterium phosphoreum	34634 mg/L	

**Isopropyl alcohol (67-63-0)**

Test & Species	Concentration	Conditions
96 Hr LC <sub>50</sub> fathead minnow (29 days old)	94900 mg/L	flow-through
96 Hr LC <sub>50</sub> fathead minnow (31 days old)	61200 mg/L	flow-through
5 min EC <sub>50</sub> Photobacterium phosphoreum	35390 mg/L	

**Section 13: DISPOSAL CONSIDERATIONS****Disposal Instructions:**

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

**Section 14: TRANSPORTATION INFORMATION****DOT Classification**

ORM-D (Ground/Rail Transport)

Flammable liquids n.o.s (Contains ethanol, isopropyl alcohol); Class 3; UN1993; PG II (Air Transport)

**TDG Classification**

Limited Quantity (Ground/Rail Transport)

Flammable liquids n.o.s (Contains ethanol, isopropyl alcohol); Class 3; UN1993; PG II (Air Transport)

**Section 15: REGULATORY INFORMATION****Federal Regulations**

**Canadian:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. This product is regulated under Canada's Food & Drug Act.

**US:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200). This product is regulated under the US Federal Food, Drug, and Cosmetic Act.

**HMIS - Hazardous Materials Identification System**

**Health - 1      Flammability - 3      Physical Hazard - 0**

**NFPA - National Fire Protection Association:**

**Health - 1      Fire - 3      Reactivity - 0**

**Hazard Rating:** 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

**Section 16: OTHER INFORMATION****Product List:**

Pacific Garden® Gel Hand Sanitizer Lavender	48222, 48234
Pacific Garden® Foam Hand Sanitizer Lavender	48513, 48001
Pacific Garden® Foam Hand Sanitizer Citrus	48515, 48002
Pacific Garden® Foam Hand Sanitizer No Fragrance Added	48517

**Disclaimer:**

IMPORTANT: The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. Georgia-Pacific and its subsidiaries make no warranty of any kind, expressed or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Georgia-Pacific and its subsidiaries will not be liable for claims that the information and data are inaccurate, incomplete or otherwise misleading.

**Supersedes:** 01/09/2008

**Prepared by:** Georgia-Pacific LLC  
(404) 652-5119 (MSDS Request)