

1. Product and Company Identification

Material name	HANDI-FRESH™ GEL HAND SANITIZER	
Product use	Hand Sanitizer	
Product list	Handi-Fresh™ Gel Hand Sanitizer	SKU - 48114
Manufacturer information	Manufactured for: Georgia-Pacific Consumer Products LP 133 Peachtree Street, NE Atlanta, GA 30303 MSDS Request: 404.652.5119 Technical Information: 866.435.5647 Chemtrec - Emergency: 800.424.9300	

2. Hazards Identification

Emergency overview	Contact with product may cause irritation to eyes and skin.
Target organs	Eyes
Potential health effects	
Eyes	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production.
Skin	Prolonged and/or repeated skin contact with this product may cause irritation.
Inhalation	Not applicable under normal conditions of use.
Ingestion	Not applicable under normal conditions of use. May cause gastrointestinal irritation if ingested.

3. Composition / Information on Ingredients

Components	CAS #	Percent/Wt	Percent/Vol
ETHYL ALCOHOL	64-17-5	59	67
WATER	7732-18-5	37	
Composition comments	Meets Alcohol Requirements stated in FDA Tentative Final Monograph for OTC Healthcare Antiseptic Drug Products – 21 CFR Part 333.410 (a).		

4. First Aid Measures

First aid procedures	
Eye contact	In case of eye contact flush eyes with plenty of water. Seek medical attention if irritation persists.
Skin contact	If irritation occurs, flush skin with plenty of water. Seek medical attention if irritation persists.
Inhalation	Not a normal route of exposure. If symptoms develop, remove to fresh air. Get medical attention if irritation persists.
Ingestion	If ingested seek medical attention or call a poison control center.

5. Fire Fighting Measures

Extinguishing media	
Suitable extinguishing media	Powder, water spray, foam, carbon dioxide.
Protection of firefighters	
Protective equipment and precautions for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Explosion data	
Sensitivity to static discharge	Not applicable.

Sensitivity to mechanical impact	Not applicable.
Hazardous combustion products	Small amounts of nitrogen oxides, carbon monoxide, carbon dioxide, and hydrocarbons may be released.

6. Accidental Release Measures

Personal precautions	Use personal protection recommended in Section 8. Isolate area. Keep unnecessary personnel away from the release. Remove all 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 cleaning up	Soak into absorbent material. Spills of this material may become a slipping hazard. Thoroughly wash the area with water after a spill or leak.

7. Handling and Storage

Handling	Keep away from heat and sources of ignition. For external use only. Keep out of the reach of children. Avoid contact with the eyes. Wear gloves and safety glasses or goggles if handling large quantities.
Storage	Keep away from children. Keep container tightly closed. Keep at temperatures below 49 °C.

8. Exposure Controls / Personal Protection

ETHYL ALCOHOL (CAS # 64-17-5)

	TWA	STEL	Ceiling
ACGIH	Not established	1000 ppm	Not established
OSHA	1000 ppm TWA; 1900 mg/m3 TWA	Not established	Not established

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.

9. Physical & Chemical Properties

Appearance	Clear
Form	Gel
Color	Green
Odor	Aloe
Odor threshold	Not available
Physical state	Liquid gel
pH	7
Melting point	Not available
Freezing point	Not available
Boiling point	Not available
Flash point	65 °F (18.3 °C)
Evaporation rate	Not applicable
Flammability	Flammable IB
Flammability limits in air, upper, % by volume	Not available
Flammability limits in air, lower, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	0.89
Relative density	Not available
Solubility (water)	Complete

Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Percent volatile	>62

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions of Reactivity	Heat. Incompatible materials.
Incompatible materials	Oxidizers, acids, chlorine and metals.
Hazardous decomposition products	Small amounts of nitrogen oxides, carbon monoxide, carbon dioxide and hydrocarbons may be released.

11. Toxicological Information

Toxicological information	No toxicological data available for this product. Toxicological information for components of this product is listed below.
Irritancy	Not available
Chronic effects	Chronic toxic effects are unlikely under normal conditions of use.
Carcinogenicity	Not hazardous under normal conditions of use.

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ACGIH - Threshold Limit Values - Carcinogens

A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

IARC - Group 1 (Carcinogenic to Humans)

Monograph 96 [in preparation] (in alcoholic beverages)

U.S. - OSHA - Hazard Communication Carcinogens

Present

Mutagenicity	Not hazardous under normal conditions of use.
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Reproductive effects	Not hazardous under normal conditions of use. Chronic ingestion of ethanol can cause reproductive/developmental and central nervous system effects, and liver disorders.
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Teratogenicity	Not available
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Synergistic materials	Not available
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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.
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ETHYL ALCOHOL (CAS # 64-17-5)

Ecotoxicity - Freshwater Fish Species Data

96 Hr LC50 Oncorhynchus mykiss: 12.0-16.0 ml/L [static]; 96 Hr LC50 Pimephales promelas:>100 mg/L [static]; 96 Hr LC50 Pimephales promelas:13400-15100 mg/L [flow-through]

13. Disposal Considerations

Disposal instructions	This product, if discarded as supplied, is considered a hazardous waste under RCRA, D001.
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14. Transport Information

General	<p>DOT CLASSIFICATION</p> <p>ORM-D (Ground/Rail Transport)</p> <p>Flammable liquids n.o.s (Contains ethyl alcohol) Class 3; UN1993; PG II (Air Transport)</p> <p>TDG CLASSIFICATION</p> <p>Limited Quantity (Ground/Rail Transport)</p> <p>Flammable liquids n.o.s (Contains ethyl alcohol) Class 3; UN1993; PG II (Air Transport)</p>
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15. Regulatory Information

US federal regulations	This product is regulated under the US Federal Food, Drug, and Cosmetic Act.
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Canadian regulations

ETHYL ALCOHOL (CAS # 64-17-5)

Canada - WHMIS - Ingredient Disclosure List

0.1 %

16. Other Information

HMIS® ratings

Health: 1
Flammability: 3
Physical hazard: 0

NFPA ratings

Health: 1
Flammability: 3
Instability: 0

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 relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.

Effective Date

13-Nov-2009

Prepared by

Georgia-Pacific LLC
404.652.5119