

## 1. Product and Company Identification

<b>Material name</b>	<b>HANDI-FRESH™ ANTIMICROBIAL SOAP</b>
<b>Product use</b>	Antimicrobial hand soap
<b>Product list</b>	Handi-Fresh™ Antimicrobial Soap <span style="float: right;">SKU - 48118</span>
<b>Manufacturer information</b>	Manufactured for: Georgia-Pacific Consumer Products LP 133 Peachtree Street, NE Atlanta, GA 3030 MSDS Request: 404.652.5119 Technical Information: 866.435.5647 Chemtrec - Emergency: 800.424.9300

## 2. Hazards Identification

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

## 3. Composition / Information on Ingredients

<b>Components</b>	<b>CAS #</b>	<b>Percent/Wt</b>
WATER	7732-18-5	60 - 100
Cocamide DEA	68603-42-9	3 - 7
TEA-Lauryl Sulfate	139-96-8	3 - 7
UREA	57-13-6	1 - 5

## 4. First Aid Measures

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

## 5. Fire Fighting Measures

<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Treat for surrounding material.
<b>Protection of firefighters</b>	
<b>Protective equipment and precautions for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.

<b>Explosion data</b>	
<b>Sensitivity to static discharge</b>	Not applicable.
<b>Sensitivity to mechanical impact</b>	Not applicable.
<b>Hazardous combustion products</b>	Small amounts of oxides: nitrogen, sulfur and carbon along with hydrocarbon and aldehydes may be released.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Use personal protection recommended in Section 8. Isolate area. Keep unnecessary personnel away from the release. Remove all sources of ignition.
<b>Environmental precautions</b>	If large quantities enter a waterway, advise local authorities.
<b>Methods for containment</b>	Contain and/or absorb spill, then place in a suitable container.
<b>Methods for cleaning up</b>	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

<b>Handling</b>	For external use only. Avoid contact with the eyes. Wear gloves and safety glasses or goggles if handling large quantities.
<b>Storage</b>	Keep away from children. Keep container tightly closed.

## 8. Exposure Controls / Personal Protection

### Cocamide DEA (CAS # 68603-42-9)

	TWA	STEL	Ceiling
<b>ACGIH</b>	Not established	Not established	Not established
<b>OSHA</b>	Not established	Not established	Not established

### TEA-Lauryl Sulfate (CAS # 139-96-8)

	TWA	STEL	Ceiling
<b>ACGIH</b>	Not established	Not established	Not established
<b>OSHA</b>	Not established	Not established	Not established

### UREA (CAS # 57-13-6)

	TWA	STEL	Ceiling
<b>ACGIH</b>	Not established	Not established	Not established
<b>OSHA</b>	Not established	Not established	Not established

### Personal protective equipment

<b>Eye / face protection</b>	None necessary under normal conditions of use. Wear safety glasses or goggles if handling large quantities.
<b>Skin protection</b>	None necessary under normal conditions of use. Wear gloves if handling large quantities.
<b>Respiratory protection</b>	Not normally needed.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Opaque
<b>Physical State</b>	Liquid
<b>Color</b>	White Pearlescent
<b>Odor</b>	Fragrance Free
<b>Odor threshold</b>	Not available
<b>pH</b>	7.5
<b>Melting point</b>	Not available
<b>Freezing point</b>	Not available
<b>Boiling point</b>	~212°F(~100°C)
<b>Flash point</b>	Not applicable
<b>Evaporation rate</b>	Not applicable

<b>Flammability</b>	Not Flammable
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Specific gravity</b>	1.01
<b>Relative density</b>	Not available
<b>Solubility (water)</b>	Complete
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable at normal conditions.
<b>Conditions of Reactivity</b>	Heat. Incompatible materials.
<b>Incompatible materials</b>	Acids. Bases.
<b>Hazardous decomposition products</b>	Small amounts of nitrogen oxides, carbon monoxide, carbon dioxide and hydrocarbons may be released.

## 11. Toxicological Information

<b>Toxicological information</b>	No toxicological data available for this product. Toxicological information for components of this product is listed below.
<b>Sensitization</b>	Not hazardous under normal conditions of use.
<b>Chronic effects</b>	Not hazardous under normal conditions of use.
<b>Carcinogenicity</b>	Not hazardous under normal conditions of use.
<b>Mutagenicity</b>	Not hazardous under normal conditions of use.
<b>Reproductive effects</b>	Not hazardous under normal conditions of use.
<b>Teratogenicity</b>	Not hazardous under normal conditions of use.
<b>Synergistic materials</b>	Not available

## 12. Ecological Information

<b>Ecotoxicity</b>	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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### Cocamide DEA (CAS # 68603-42-9)

Ecotoxicity - Freshwater Fish Species Data

96 Hr LC50 Brachydanio rerio: 3.6 mg/L [semi-st

### TEA-Lauryl Sulfate (CAS # 139-96-8)

Ecotoxicity - Freshwater Fish Species Data

48 Hr LC50 Leuciscus idus: 7.2-9.3 mg/L

### UREA (CAS # 57-13-6)

Ecotoxicity - Freshwater Fish Species Data

96 Hr LC50 Poecilia reticulata: 16200-18300 mg.

## 13. Disposal Considerations

<b>Disposal instructions</b>	This product, if discarded, is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. If processing, use, or contamination alters the material, the waste must be tested using methods described in 40 CFR 261 to determine if it meets applicable definitions of hazardous wastes.
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## 14. Transport Information

<b>General</b>	This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.
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## 15. Regulatory Information

<b>US federal regulations</b>	MSDS prepared pursuant to the Hazard Communication Standard (29CFR 1910.1200). This product is regulated under the US Federal Food, Drug, and Cosmetic Act.
<b>Canadian regulations</b>	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. This product is regulated under Canada's Food & Drug Act.

## 16. Other Information

<b>HMIS® ratings</b>	Health: 0 Flammability: 0 Physical hazard: 0
<b>NFPA ratings</b>	Health: 0 Flammability: 0 Instability: 0
<b>Disclaimer</b>	<b>IMPORTANT:</b> 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.
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<b>Prepared by</b>	Georgia-Pacific LLC 404.652.5119