

SAFETY DATA SHEET

1. Identification

Product identifier	enMotion® High Frequency Use Foam Antimicrobial Handwash		
Product list	enMotion® High Frequency Use Foam Antimicrobial Handwash 1200 mL bags/ 2 per case SKU - 42817		
Other means of identification			
SDS number	B102		
Recommended use	Antimicrobial foam handwash		
Recommended restrictions	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	Manufactured for:		
Address	Georgia-Pacific Consumer Products LP 133 Peachtree Street, NE Atlanta, GA 30303		
Telephone	Technical Information:	866.435.5647	
	MSDS 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 3
Health hazards	Serious eye damage/eye irritation	Category 2B
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	

Label elements



Signal word	Warning
Hazard statement	Flammable liquid and vapor. Causes eye irritation.
Precautionary statement	
Prevention	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling large quantities. 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)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
WATER		7732-18-5	40 - 70

Chemical name	Common name and synonyms	CAS number	%
HEXYLENE GLYCOL		107-41-5	10 - 30
N-PROPYL ALCOHOL		71-23-8	3 - 7
Other components below reportable levels			15 - 40

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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	Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically.
General information	Take off all contaminated clothing immediately. 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. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. 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	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.
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 the reach of children. Do not get this material in contact with eyes. 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.
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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

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
N-PROPYL ALCOHOL (CAS 71-23-8)	PEL	500 mg/m3 200 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
HEXYLENE GLYCOL (CAS 107-41-5)	Ceiling	25 ppm
N-PROPYL ALCOHOL (CAS 71-23-8)	TWA	100 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
HEXYLENE GLYCOL (CAS 107-41-5)	Ceiling	125 mg/m3 25 ppm
N-PROPYL ALCOHOL (CAS 71-23-8)	STEL	625 mg/m3 250 ppm
	TWA	500 mg/m3 200 ppm

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

US - California OELs: Skin designation

N-PROPYL ALCOHOL (CAS 71-23-8) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

N-PROPYL ALCOHOL (CAS 71-23-8) Skin designation applies.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

N-PROPYL ALCOHOL (CAS 71-23-8) Can be absorbed through the skin.

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. Wear appropriate gloves if handling large quantities.

Respiratory protection

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

Thermal hazards

Not applicable.

General hygiene considerations

When using do not smoke.

9. Physical and chemical properties

Appearance

Physical state

Liquid.

Form

Liquid.

Color

Not available.

Odor

Not available.

Odor threshold	Not available.
pH	6 - 6.8
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	123.0 °F (50.6 °C) Tag Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable
Vapor density	Not available.
Relative density	1.014 g/cm ³
Solubility(ies)	
Solubility (water)	Complete
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Specific gravity	1.01

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Extremes of temperature and direct sunlight. Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials. Do not freeze.
Incompatible materials	Strong oxidizing agents. Strong acids. Strong bases.
Hazardous decomposition products	Small amounts of carbon monoxide and carbon dioxide may be released.

11. Toxicological information

Information on likely routes of exposure

Inhalation	No effects expected under normal conditions of use. May cause irritation to the respiratory system.
Skin contact	No effects expected under normal conditions of use. Prolonged skin contact may cause temporary irritation.
Eye contact	Causes eye irritation.
Ingestion	No effects expected under normal conditions of use. May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort.

Information on toxicological effects

Acute toxicity

Product	Species	Test Results
enMotion® High Frequency Use Foam Antimicrobial Handwash		
<u>Acute</u>		
Dermal		
LD50	Rabbit	67200 mg/kg estimated

Product	Species	Test Results
Inhalation		
LC50	Rat	4785 mg/l/4h
Oral		
LD50	Mouse	23 g/kg estimated
	Rat	27937 mg/kg
Components	Species	Test Results

HEXYLENE GLYCOL (CAS 107-41-5)

Acute

Oral

LD50	Mouse	3.5 g/kg
	Rat	3692 mg/kg

N-PROPYL ALCOHOL (CAS 71-23-8)

Acute

Dermal

LD50	Rabbit	4032 mg/kg
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Oral

LD50	Rat	5400 mg/kg
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* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Causes 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 This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or 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.

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.

Product	Species	Test Results	
enMotion® High Frequency Use Foam Antimicrobial Handwash			
Aquatic			
Crustacea	EC50	Daphnia	14374.0205 mg/l, 48 hours estimated
Fish	LC50	Fish	31456.9531 mg/l, 96 hours estimated
Components	Species	Test Results	
HEXYLENE GLYCOL (CAS 107-41-5)			
Aquatic			
Crustacea	EC50	Daphnia	3200 mg/L, 48 Hours
		Water flea (Ceriodaphnia reticulata)	2400 - 3200 mg/l, 48 hours

Components		Species	Test Results
Fish	LC50	Bleak (<i>Alburnus alburnus</i>)	7000 - 9100 mg/l, 96 hours
N-PROPYL ALCOHOL (CAS 71-23-8)			
Aquatic			
Crustacea	EC50	Daphnia	3642 mg/L, 48 Hours
		Water flea (<i>Daphnia magna</i>)	3339 - 3977 mg/l, 48 hours
Fish	LC50	Bleak (<i>Alburnus alburnus</i>)	3000 - 4000 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

N-PROPYL ALCOHOL 0.25

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 packaging/container can be disposed in accordance with all applicable regulations.

14. Transport information

DOT

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

15. Regulatory information

US federal regulations SDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200). This product is regulated under the US Federal Food, Drug, and Cosmetic Act.

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 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
 Delayed Hazard - No
 Fire Hazard - Yes
 Pressure Hazard - No
 Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

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****US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

US. Massachusetts RTK - Substance List

HEXYLENE GLYCOL (CAS 107-41-5)

N-PROPYL ALCOHOL (CAS 71-23-8)

US. New Jersey Worker and Community Right-to-Know Act

HEXYLENE GLYCOL (CAS 107-41-5)

N-PROPYL ALCOHOL (CAS 71-23-8)

US. Pennsylvania Worker and Community Right-to-Know Law

HEXYLENE GLYCOL (CAS 107-41-5)

N-PROPYL ALCOHOL (CAS 71-23-8)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. Other information, including date of preparation or last revision**Issue date** May-29-2015**Version #** 01**HMIS® ratings** Health: 1
Flammability: 1
Physical hazard: 0**NFPA ratings** Health: 1
Flammability: 1
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.**Revision Information** Product and Company Identification: Product Codes
Composition / Information on Ingredients: Ingredients
Physical & Chemical Properties: Multiple Properties
Ecological Information: Ecotoxicity
Transport Information: Proper Shipping Name/Packing Group
Regulatory Information: United States
HazReg Data: North America
GHS: Classification