

# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>enMotion® High Frequency Use Foam Hand Sanitizer</b>	
<b>Product list</b>	enMotion® High Frequency Use Foam Hand Sanitizer, Fragrance Free, Dye Free SKU 42333 enMotion® High Frequency Use Foam Hand Sanitizer, Fragrance Free, Dye Free, 45 mL SKU GP6173 enMotion® High Frequency Foam Hand Sanitizer with Moisturizers SKU 42336	
<b>Other means of identification</b>	None.	
<b>Recommended use</b>	Hand Sanitizer	
<b>Recommended restrictions</b>	This product is regulated as an Over-the-Counter (OTC) drug in the US and is intended for personal care use.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Company name</b>	Manufactured for:	
<b>Address</b>	Georgia-Pacific Consumer Products LP 133 Peachtree Street, NE Atlanta, GA 30303	
<b>Telephone</b>	Technical Information:	866.435.5647
	SDS Request:	404.652.5119
<b>E-mail</b>	MSDSREQ@GAPAC.com	
<b>Emergency phone number</b>	Chemtrec - Emergency:	800.424.9300

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable liquids	Category 2
<b>Health hazards</b>	Eye irritation	Category 2A
<b>Environmental hazards</b>	Not classified.	
<b>OSHA defined hazards</b>	Not classified.	

### Label elements



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Highly flammable liquid and vapor. Causes serious eye irritation.
<b>Precautionary statement</b>	
<b>Prevention</b>	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Wear protective gloves/eye protection, if handling large quantities.
<b>Response</b>	In the event of large spill and subsequent exposure to the product:  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.
<b>Storage</b>	Store in a well-ventilated place. Keep cool.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	In the event of a large spill, sparks may ignite liquid and vapor. May cause flash fire or explosion.
<b>Supplemental information</b>	None.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
ETHYL ALCOHOL		64-17-5	55-70
ISOPROPYL ALCOHOL		67-63-0	1 - 5

**Composition comments** Percent by volume concentration of ETHYL ALCOHOL (64-17-5) is 70% (v/v).

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

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	If irritation occurs, flush skin with plenty of water. Call a physician if irritation persists.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting without advice from poison control center. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically.
<b>General information</b>	Wash contaminated clothing before reuse.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Alcohol resistant foam. Water fog. Carbon dioxide (CO <sub>2</sub> ). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	Flammable liquid - may release vapors that form flammable mixtures at or above the flash point. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Highly flammable liquid and vapor.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	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.
<b>Methods and materials for containment and cleaning up</b>	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.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

#### 7. Handling and storage

<b>Precautions for safe handling</b>	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
ETHYL ALCOHOL (CAS 64-17-5)	PEL	1900 mg/m <sup>3</sup>
ISOPROPYL ALCOHOL (CAS 67-63-0)	PEL	1000 ppm
		980 mg/m <sup>3</sup>
		400 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value
ETHYL ALCOHOL (CAS 64-17-5)	STEL	1000 ppm
ISOPROPYL ALCOHOL (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
ETHYL ALCOHOL (CAS 64-17-5)	TWA	1900 mg/m <sup>3</sup>
ISOPROPYL ALCOHOL (CAS 67-63-0)	STEL	1000 ppm
		1225 mg/m <sup>3</sup>
	TWA	500 ppm
		980 mg/m <sup>3</sup>
		400 ppm

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
ISOPROPYL ALCOHOL (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

\* - 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. 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**

<b>Physical state</b>	Liquid.
<b>Form</b>	Foam when dispensed.

<b>Color</b>	Clear colorless
<b>Odor</b>	Alcohol
<b>Odor threshold</b>	Not available.
<b>pH</b>	6 - 9
<b>Melting point/freezing point</b>	-173.38 °F (-114.1 °C) estimated
<b>Initial boiling point and boiling range</b>	173.3 °F (78.5 °C) estimated
<b>Flash point</b>	68.0 °F (20.0 °C)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	685 °F (362.78 °C) estimated
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Flammability class</b>	Flammable IC estimated
<b>Specific gravity</b>	0.9
<b>VOC</b>	67.45 % estimated

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents. Acids. Metals. Chlorine.
<b>Hazardous decomposition products</b>	Small amounts of nitrogen oxides, carbon monoxide, carbon dioxide and hydrocarbons may be released.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	No effects expected under normal conditions of use.
<b>Skin contact</b>	No effects expected under normal conditions of use. Prolonged skin contact may cause temporary irritation.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	No effects expected under normal conditions of use. May be harmful if swallowed.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

## Information on toxicological effects

### Acute toxicity

Product	Species	Test Results
enMotion® High Frequency Use Foam Hand Sanitizer		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	517 ml/kg estimated 195 g/kg estimated
<b>Oral</b>		
LD50	Guinea pig	36022 g/kg estimated
	Mouse	12998 mg/kg estimated
	Rat	457 ml/kg estimated 184 g/kg estimated

Components	Species	Test Results
ETHYL ALCOHOL (CAS 64-17-5)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	Rat	117 - 125 mg/l, 4 Hours
<b>Oral</b>		
LD50	Mouse	8300 mg/kg
ISOPROPYL ALCOHOL (CAS 67-63-0)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	16.4 ml/kg
<b>Inhalation</b>		
<i>Vapor</i>		
LC50	Rat	> 1000 ppm, 6 hours
<b>Oral</b>		
LD50	Rat	5.84 g/kg

\* 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 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.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

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.

<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Chronic effects</b>	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.

Product	Species	Test Results
enMotion® High Frequency Use Foam Hand Sanitizer		
<b>Aquatic</b>		
Fish	LC50	19709.2188 mg/l, 96 hours estimated
<b>Components</b>		
<b>Species</b>		
<b>Test Results</b>		
ETHYL ALCOHOL (CAS 64-17-5)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow (Pimephales promelas) 13400 - 15100 mg/l, 96 hours
ISOPROPYL ALCOHOL (CAS 67-63-0)		
<b>Aquatic</b>		
Fish	LC50	Pimephales promelas 10000 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)

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

<b>UN number</b>	UN1993
<b>UN proper shipping name</b>	Flammable liquids, n.o.s. (ISOPROPYL ALCOHOL, ETHYL ALCOHOL), Limited Quantity
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	3
<b>Packing group</b>	II
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	IB2, T7, TP1, TP8, TP28
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	202
<b>Packaging bulk</b>	242

**IATA**

<b>UN number</b>	UN1993
<b>UN proper shipping name</b>	Flammable liquid, n.o.s. (ISOPROPYL ALCOHOL, ETHYL ALCOHOL), Limited Quantity
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	II
<b>Environmental hazards</b>	No.
<b>ERG Code</b>	3H
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed with restrictions.
<b>Cargo aircraft only</b>	Allowed with restrictions.

**IMDG**

<b>UN number</b>	UN1993
<b>UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (ISOPROPYL ALCOHOL, ETHYL ALCOHOL), LIMITED QUANTITY
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	II
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No.
<b>EmS</b>	F-E, S-E
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

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

**DOT****IATA; IMDG**

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

**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 regulated.

**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. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

ISOPROPYL ALCOHOL (CAS 67-63-0)

**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** October-14-2016  
**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.



**Revision information**

Hazard(s) identification: Emergency overview  
Composition/information on ingredients: Composition comments  
Accidental release measures: Methods and materials for containment and cleaning up  
Handling and storage: Precautions for safe handling  
Physical and chemical properties: Appearance  
Physical and chemical properties: Color  
Physical and chemical properties: Form  
Physical and chemical properties: Flammability (solid, gas)  
Stability and reactivity: Conditions to avoid  
Ecological information: Persistence / degradability  
Disposal considerations: Contaminated packaging  
Transport information: General information  
Other information, including date of preparation or last revision: Further information