

SAFETY DATA SHEET

1. Identification

Product identifier PURELL® Foaming Hand Sanitizer
Other means of identification None.
Recommended use Hand sanitizer.
Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company name GOJO Industries, Inc.
Address One GOJO Plaza, Suite 500
Akron, OH 44311
USA
Telephone (330) 255-6000
E-mail Not available.

Emergency phone number 1-800-424-9300 CHEMTREC

2. Hazard(s) identification

Physical hazards Flammable aerosols Category 1
Gases under pressure Liquefied gas
Health hazards Serious eye damage/eye irritation Category 2
OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation.

Precautionary statement

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Wear eye protection/face protection.

Response

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.

Storage

Protect from sunlight. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Ethanol	64-17-5	>50
1,1-difluoroethane	75-37-6	<5
Cetostearyl alcohol	67762-27-0	<5
Isobutane	75-28-5	<2

Composition comments Components not listed are either non-hazardous or are below reportable limits.

4. First-aid measures

Inhalation If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Skin contact Get medical attention if irritation develops and persists.

Eye contact Flush eyes thoroughly with water for at least 15 minutes. If irritation occurs, get medical assistance.

Ingestion Rinse mouth thoroughly with water and give large amounts of water to people not unconscious. Seek medical attention if discomfort persists.

Most important symptoms/effects, acute and delayed Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

Indication of immediate medical attention and special treatment needed Treat symptomatically.

General information First aid personnel must be aware of own risk during rescue.

5. Fire-fighting measures

Suitable extinguishing media Dry chemical, CO₂, water spray or alcohol resistant foam.

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical Flammable aerosol - may cause flash fire.

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 Use standard firefighting procedures and consider the hazards of other involved materials. Containers close to fire should be removed immediately or cooled with water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate the area. Avoid inhalation of vapors and contact with skin and eyes. Wear appropriate personal protective equipment (See Section 8).

Methods and materials for containment and cleaning up Remove sources of ignition.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece).

Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Environmental precautions No specific precautions.

7. Handling and storage

Precautions for safe handling Avoid inhalation of vapors and spray mist and contact with skin and eyes. Do not smoke and do not spray near an open flame or other sources of ignition. Vapors are heavier than air and may travel along the floor and in the bottom of containers. Vapors may be ignited by a spark, a hot surface or an ember. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Follow rules for flammable liquids. Keep away from heat, sparks and open flame. No special restrictions on storage with other products.

8. Exposure controls/personal protection

Occupational exposure limits

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

Components	Type	Value
Ethanol (CAS 64-17-5)	PEL	1900 mg/m ³ 1000 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Ethanol (CAS 64-17-5)	STEL	1000 ppm
Isobutane (CAS 75-28-5)	STEL	1000 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Ethanol (CAS 64-17-5)	TWA	1900 mg/m ³ 1000 ppm
Isobutane (CAS 75-28-5)	TWA	1900 mg/m ³ 800 ppm

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
1,1-difluoroethane (CAS 75-37-6)	TWA	2700 mg/m ³ 1000 ppm

Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields. Applicable for industrial settings only.
Skin protection	
Hand protection	Wear protective gloves. Applicable for industrial settings only.
Other	Wear suitable protective clothing. Applicable for industrial settings only.
Respiratory protection	Not normally needed.
Thermal hazards	Not applicable.

9. Physical and chemical properties

Appearance	White foam.
Physical state	Liquid, Gas.
Form	Aerosol liquid.
Color	White.
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

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 Heat. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact No adverse effects due to skin contact are expected.

Eye contact Causes serious eye irritation.

Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

Components	Species	Test Results
Ethanol (CAS 64-17-5)		
Acute		
<i>Inhalation</i>		
LC50	Mouse	39 g/m3, 4 Hours
<i>Oral</i>		
LD50	Rat	7000 - 11000 mg/kg

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 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 Prolonged inhalation may be harmful.

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.

Components	Species		Test Results
Ethanol (CAS 64-17-5)			
Aquatic			
Crustacea	LC50	Ceriodaphnia dubia	5012 mg/l, 48 hours
		Daphnia magna	454 mg/l, 11 days
	NOEC	Ceriodaphnia dubia	9.6 mg/l
Fish	LC50	Pimephales promelas	13480 mg/l, 96 hours

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

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

1,1-difluoroethane (CAS 75-37-6)	0.75
Ethanol (CAS 64-17-5)	-0.31
Isobutane (CAS 75-28-5)	2.76

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 Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

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. Do not re-use empty containers.

14. Transport information

DOT

UN number	UN1950
UN proper shipping name	Aerosols, flammable, (each not exceeding 1 L capacity)
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None

IATA

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not applicable.
Environmental hazards	No.
ERG Code	10L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number UN1950
UN proper shipping name AEROSOLS
Transport hazard class(es)

Class 2.1

Subsidiary risk -

Packing group Not applicable.

Environmental hazards

Marine pollutant No.

EmS F-D, S-U

Special precautions for user 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.

General information

Avoid transport on vehicles where the load space is not separated from the driver's compartment. Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transporting product containers: Ensure that containers are firmly secured. Ensure cylinder valve is closed and not leaking. Ensure valve outlet cap nut or plug (where provided) is correctly fitted. Ensure valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Isobutane (CAS 75-28-5) LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

1,1-difluoroethane (CAS 75-37-6)

Isobutane (CAS 75-28-5)

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

1,1-difluoroethane (CAS 75-37-6)

Ethanol (CAS 64-17-5)

Isobutane (CAS 75-28-5)

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

1,1-difluoroethane (CAS 75-37-6)
 Ethanol (CAS 64-17-5)
 Isobutane (CAS 75-28-5)

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

Ethanol (CAS 64-17-5)
 Isobutane (CAS 75-28-5)

US. Rhode Island RTK

1,1-difluoroethane (CAS 75-37-6)
 Isobutane (CAS 75-28-5)

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.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 22-June-2015
Revision date -
Version # 01
HMIS® ratings Health: 1
 Flammability: 4
 Physical hazard: 3

NFPA ratings**Disclaimer**

GOJO Industries, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

SAFETY DATA SHEET
ACCORDING TO REGULATION: 1907/2006

Version 1
April 2013

1. Identification of the Substance/mixture and of the company/undertaking

Trade Name: GFS Kitchen Essentials Pan Coating Spray*

Trade Names/ Synonyms: N/A

Product Use: Cooking Aerosol Spray

Creation Date: 11/2014

Revision Date: 11/2015

Product Code: 17428/17528

This Safety Data Sheet has been updated in accordance with the Global Harmonized System and is compliant with Regulation 1907/2006

Manufacturer/ Supplier

Par-Way Tryson Company

107 Bolte Lane

St. Clair, MO 63077

Tel. (800) 844-4554

Emergency Telephone #

Chemtrec 24 hour Emergency Response Telephone Number: 1-800-424-9300

Chemtrec 24 hour Emergency Response (Outside the U.S. and Canada) Telephone Number: (703) 527-3887

2. Hazards Identification

Classification of the substance or material

Classification according to Regulation (EC) No 1272/2008



Danger

Flammable Aerosol- Category 1

Health hazards: None identified

OSHA Defined Hazards: None identified



HIMS RATING

HEALTH	1
FLAMMABILITY	4
REACTIVITY	1
P.P. EQUIPMENT	0

Label elements

Labeling according to Regulation (EC) No 1272/2008

This product is classified and labeled according to the CLP regulation.



Danger

Extremely Flammable Aerosol

Store below 49°C (120°F)

Do not spray into or near open flame. Keep away from heat/sparks/open flames/hot surfaces

Contents under pressure; do not puncture or incinerate

Avoid spraying in eyes

Protect from sunlight.

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ACCORDING TO REGULATION: 1907/2006

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3. Composition/Information on Ingredients

Chemical characterization: Mixtures-

Description: Mixture of the substances below with nonhazardous additions

Cas #	Description	ACGIH	OSHA	% Range
	WATER	NO LIMIT		
8001-22-7	SOYBEAN OIL			
8030-76-0	SOY LECITHIN	NO LIMIT		
	Mixed Phospholipids			
24634-61-5	POTASSIUM SORBATE	NO LIMIT		
	2,4-Hexadienoic acid			
	Potassium Salt (2E, 4E)			
110-44-1	SORBIC ACID	NO LIMIT	15 mg/m ³	
	2,4-Hexadienoic acid			
	PROPELLANT			
74-98-6	Propane	2500 ppm	1000 ppm	
106-98-7	N-Butane	800 ppm	800 ppm	

4. First Aid Measures

Description of First Aid Measures

- **After inhalation:** Remove to fresh air. If not breathing, give mouth to mouth resuscitation. If breathing is difficult, give oxygen. Call a physician as excessive exposure may cause irritation to the upper respiratory system.
- **After Skin Contact:** wash with soap and water. Consult a physician if irritation persists
- **After Eye Contact:** irrigate with flowing water at least ten minutes. Hold lids open as it helps prevent scratching and minimize irritation. Seek medical attention as material may become embedded.
- **After swallowing: DO not induce vomiting.** Call a physician and/or poison control center immediately.

Information for doctor:

No further relevant information available

5. Firefighting Measures

EXTINGUISHING MEDIA:

Suitable extinguishing agents: Water fog, standard foam, CO₂, Dry chemical, Halon.

Special Hazards arising from the substance

- Vapors are heavier than air and may travel along the ground to sources of ignition; reports have been made of ignition from pilot lights, heaters, etc. after vapors have been moved by ventilating fans.
- Exploding cans may travel great distances discharging burning materials.
- Exposure to temperatures over 49°C (120°F) may cause cans to burst.

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5. Firefighting Measures (cont)

Hazardous Decomposition Products

- Oxides of Carbon
- Nitrogen

Advice for Firefighters:

Protective Equipment: wear self- contained breathing apparatus with a full face piece operated in a positive pressure mode.

Water fog may be used to help cool containers to help minimize pressure build-up.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Wear PPE as necessary.
- Ensure adequate ventilation; excessive concentration of vapors are flammable
- Keep away from ignition sources

Environmental Precautions

- Do not allow to enter sewers/ surface or ground water.
- Do not puncture or incinerate empty or full cans.

Methods and material for containment and cleaning up

- Clean with soap and water
- Once spills or leaks are cleaned up, dispose of waste in accordance with governmental ordinances.

7. Handling and Storage

Handling:

Precautions for safe handling

- Use chemical resistant gloves if the possibility of prolonged contact exists
- General ventilation should be adequate for normal use; if using in a confined area, use necessary means of ventilation to keep from exceeding the TLV.

Precautions for Safe Storage

- Store in cool dry place with temperatures below 49°C (120°F)
- Avoid direct sources of heat and ignition
- Do not use deformed or damaged cans
- Keep out of the reach of children
- Consult local fire and insurance representatives for specific storage requirements in your area

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8. Exposure Controls/personal protection

Exposure Control

General protective and hygienic measures:

The usual precautionary measures for using aerosols should be followed.

- Use in a well ventilated area
- Do not spray in eyes or face
- Do not intentionally inhale
- Remove soiled and contaminated clothing
- Wash hands and exposed skin
- If used in an enclosed area without proper ventilation where the TLV is likely to be exceeded, use a NIOSH/MSA approved respirator

PERMISSIBLE EXPOSURE LEVELS: 900 PPM Propellant

Personal Protective Equipment

If evidence of sensitivity to product is experienced:

Wear gloves and cover exposed skin

Eye protection if sensitivity to the eyes occurs.

9. Physical and Chemical Properties

Contents without propellant

- Appearance: golden translucent liquid
- Odor: Buttery
- Flavor: Buttery
- Specific Gravity: 0.98 @ 25°C (77°F)
- Viscosity: 60-75 cPs @ 25 °C (77°F)
- Evaporation Rate: Slower than B-Acetate
- Solubility in Water: dispersable
- Vapor Density (air=1): N/A
- Smoke Point: Not determined
- Flash Point: Not determined

Contents with propellant

- Appearance: foamy white
- Odor: Buttery
- Flavor: Buttery
- Percent volatile: 10-20%
- Drum Test: Negative
- Flash Point: 68.89°C (-156°F) propellant
- Flammability Class: flammable
- Flame extension @ 21°C (70°F): > 45.72 cm (18 inches)
- Flame Back: none
- Vapor Pressure @ 21°C (70°F) : 70± 5psig
- Vapor Pressure @ 54.4°C (130°F): 100 ± 10 psig
- Explosive Limits:
 - Lower: 1.8%
 - Upper: 9.5 %

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10. Stability and reactivity

Reactivity

Chemical Stability: Normally stable

Possibility of hazardous reactions: no dangerous reactions known.

Conditions to avoid: keep away from flames and ignition sources; do not store above 48.89°C (120°F)

Incompatible materials: strong oxidizers.

Hazardous Polymerization: will not occur.

11. Toxicological information

Acute Effects:

Eyes: Can cause pain and slight corneal injury. Vapors irritate eyes.

Skin: Prolonged or repeated contact may cause irritation defatting. May be irritant to skin and mucous membranes

Breathing: Fumes from the propellant are mildly anesthetic, narcotic effects may be seen in the 5,000-10,000 ppm range. High concentrations can cause dizziness, headaches, narcosis and nausea.

Chronic Effects:

Target Organs/Systematic Effects: Excessive exposure can cause respiratory irritation, liver or kidney damage.

12. Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Additional ecological information:

Do not allow large quantities of product to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

13. Disposal information

Waste treatment methods

Do not dispose of in a trash compactor or incinerate.

Disposal must be made according to local and federal official regulations.

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ACCORDING TO REGULATION: 1907/2006

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14. Transport information

DOT

UN Number:	UN1950
UN Proper Shipping Name:	AEROSOL
Transport Hazard Class:	2.1
Subsidiary Class(es):	-
SARA III Reportable quantity:	11, 340 kg (25,000 lbs.)
Container Size :	6-17 oz. AEROSOL CANS
Labels Required:	None
Special Provisions :	N82
Packaging Exceptions :	306
Packaging non bulk :	None
Packaging bulk	None

IATA

UN Number:	UN1950
UN Proper Shipping Name:	AEROSOL, flammable
Transport Hazard Class:	2.1
Subsidiary Class(es):	-
SARA III Reportable quantity:	11, 340 kg (25,000 lbs.)
Labels Required:	None
Container Size :	6-17 oz. AEROSOL CANS
Special Provisions :	N82
Environmental Hazards	No
Labels Required:	2.1
ERG code:	10L
Packaging bulk	LTD QTY

IMDG

UN Number:	UN1950
UN Proper Shipping Name:	AEROSOLS
Transport Hazard Class:	2.1
Subsidiary Class(es):	-
SARA III Reportable quantity:	11, 340 kg (25,000 lbs.)
Container Size :	6-17 oz. AEROSOL CANS
Environmental Hazards	
Marine Pollutant :	No
Labels Required:	None
EmS	F-D, S-U
Packaging Exceptions :	LTD QTY

Transport in bulk according to Annex II
Of MARPOL 73/78 and the IBC Code: Not applicable.

DOT



IATA; IMDG



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ACCORDING TO REGULATION: 1907/2006

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15. Regulatory information

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated
CERCLA Hazardous Substance List (40 CFR 302.4): Not listed
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed
SARA 304 Emergency release notification: Not regulated

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance- No
SARA 311/312 Hazardous chemical- No

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):
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)

Safe Drinking Water Act (SDWA): Not regulated

Drug Enforcement Administration (DEA). Lsit 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number: Not listed

US State Regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

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

Butane (CAS 106-97-8) 500 lbs
Propane (CAS 74-98-6) 500 lbs

US Pennsylvania RTK-Hazardous Substances

Butane (CAS 106-97-8)
Propane (CAS 74-98-6)

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.

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15. Regulatory information (cont.)

International Inventories

Country(s) or Region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances In China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemical List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

* A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

* A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory by the governing country(s)

16. Other information

The information contained herein is based on data considered accurate and is offered solely for information, consideration and investigation. Par-Way Tryson extends no warranties, makes no representations and assumes no responsibility as to the accuracy, completeness or suitability of this data for any purchaser's use. Recipients are advised to confirm in advance of the need that the data is correct, applicable and suitable to their circumstances. The data on this Material Safety Data Sheet relates only to this product and does not relate to use with any other material or in any process. The data on the material safety data sheet are not meant to be used as

specifications, only guideline information as to safe use of the product. User should also refer to OSHA, State and local safety laws before use. Hazard communication regulations require that employees must be trained on how to use a Safety Data Sheet as a source of hazard information. Standards change without notice; it is the responsibility of the recipient to assure that their personnel have been notified of any changes which may affect them.

Prepared by: Gary Daniels, Quality Systems Auditor, Par-Way Tryson Co.

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ACCORDING TO REGULATION: 1907/2006

1. Identification of the Substance/mixture and of the company/undertaking

Trade Name: Vegalene Premium 3-Oil Blend Food Release Spray

Trade Names/ Synonyms:

Product Use: Food Release Oil

Creation Date: September 2014

Revision Date: October 2015

Item Code: 14021

This Safety Data Sheet has been updated in accordance with the Global Harmonized System and is compliant with Regulation 1907/2006

Manufacturer/ Supplier

Par-Way Tryson Company

107 Bolte Lane

St. Clair, MO 63077

Tel. (800) 844-4554

Emergency Telephone #

Chemtrec 24 hour Emergency Response Telephone Number: 1-800-424-9300

Chemtrec 24 hour Emergency Response (Outside the U.S. and Canada) Telephone Number: (703) 527-3887

2. Hazards Identification

Classification of the substance or material

Classification according to Regulation (EC) No 1272/2008



Danger

Flammable Aerosol- Category 1

Health hazards: None identified

OSHA Defined Hazards: None identified



HIMS RATING

HEALTH	1
FLAMMABILITY	4
REACTIVITY	1
P.P. EQUIPMENT	0

Label elements

Labeling according to Regulation (EC) No 1272/2008

This product is classified and labeled according to the CLP regulation.



Danger

Extremely Flammable Aerosol

Store below 49°C (120°F)

Do not spray into or near open flame. Keep away from heat/sparks/open flames/hot surfaces

Contents under pressure; do not puncture or incinerate

Avoid spraying in eyes

Protect from sunlight.

SAFETY DATA SHEET
 ACCORDING TO REGULATION: 1907/2006

3. Composition/Information on Ingredients

Chemical characterization: Mixtures-
Description: Mixture of the substances below with nonhazardous additions

Cas #	Description	ACGIH	OSHA	% Range
120962-03-0	Canola Oil	NO LIMIT		
8001-21-6	Sunflower Oil			
	Soy Lecithin			
8002-42-5	Mixed Phospholipids			
	Soybean Oil			
	Natural Flavor			
107-92-6	Butyric Acid			
	Beta Carotene			
7235-40-7	β , β -carotene			
10191-41-0	3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-ol (dl- α -tocopherol)			
137-66-6	6-O-palmitoylascorbic acid			
77-92-9	Citric acid			
68476-85-7	PROPELLANT:			
74-98-6	Propane	2500 ppm	1000 ppm	
106-98-7	N-Butane	800 ppm	800 ppm	

4. First Aid Measures

Description of First Aid Measures

- **Skin Contact:** If irritation occurs, wash with soap and water.
- **Eye Contact:** Irrigate with flowing water. Hold lids open as it helps prevent scratching and minimize irritation.

Information for doctor:

No further relevant information available

5. Firefighting Measures

EXTINGUISHING MEDIA:

Suitable extinguishing agents: Any approved media for extinguishing vegetable oil fires.

Special Hazards arising from the substance:

None

Advice for Firefighters:

- Any approved personal protection for fighting vegetable fires.

SAFETY DATA SHEET
ACCORDING TO REGULATION: 1907/2006

6. Accidental Release Measures

Environmental Precautions

- Guard against oil entering sewer systems to avoid violation of sewer management ordinances.

Methods and material for containment and cleaning up

- Clean with soap and water
- Once spills or leaks are cleaned up, dispose of waste in accordance with governmental ordinances.

7. Handling and Storage

Handling:

Precautions for safe handling

- Respiratory Protection: N/A
- Ventilation: Use in well-ventilated area
- Protection Gloves: If sensitivity occurs, wear gloves
- Eye Protection: Safety glasses
- Other protective clothing or equipment: N/A
- SARA III Reportable Quantity: N/A
- NFPA 30B Warehouse Classification: N/A

Precautions for Safe Storage

- Store unopened in a cool, dry place with temperatures below 49°C (120°F)
- Keep out of the reach of children

8. Exposure Controls/personal protection

Occupational exposure limits:

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

Components	Type	Value
Propane (CAS 74-98-6)	PEL	1800mg/m ³ 1000 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Butane (CAS 106-97-8)	TWA	1900mg/m ³ 800 ppm
Propane (CAS 74-98-6)	TWA	1800mg/m ³ 1000 ppm

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ACCORDING TO REGULATION: 1907/2006

8. Exposure Controls/personal protection

Exposure Control

General protective and hygienic measures:

The usual precautionary measures for using aerosols should be followed.

- Use in a well-ventilated area
- Do not spray in eyes or face
- Do not intentionally inhale
- Remove soiled and contaminated clothing
- Wash hands and exposed skin
- If used in an enclosed area without proper ventilation where the TLV is likely to be exceeded, use a NIOSH/MSA approved respirator

Personal Protective Equipment

If evidence of sensitivity to product is experienced:

Skin: Wear gloves and cover exposed skin

Eyes: Safety glasses w/ side shields if sensitivity to the eyes occurs.

Respiratory: If permissible levels are exceeded use NIOSH/MSA approved respirator

9. Physical and Chemical Properties

Contents without propellant

- Appearance: golden translucent liquid
- Odor: Buttery
- Flavor: Buttery
- Specific Gravity: 0.92 @ 25°C (77°F)
- Viscosity: 60-80 cPs @ 25 °C (77°F)
- Evaporation Rate: Slower than B-Acetate
- Solubility in Water: negligible
- Vapor Density (air=1): N/A
- Smoke Point: 149°C (300°F) min.
- Flash Point: 205°C (400°F) min.

Contents with propellant

- Appearance: foamy white
- Odor: Buttery
- Flavor: Buttery
- Percent volatile: 10-20%
- Drum Test: Negative
- Flash Point: 68.89°C (-156°F) propellant
- Flammability Class: flammable
- Flame extension @ 21°C (70°F): > 45.72 cm (18 inches)
- Flame Back: none
- Vapor Pressure @ 21°C (70°F) : 70± 5psig
- Vapor Pressure @ 54.4°C (130°F): 100 ± 10 psig
- Explosive Limits:
 - Lower: 1.8%
 - Upper: 9.5 %

SAFETY DATA SHEET
ACCORDING TO REGULATION: 1907/2006

10. Stability and reactivity

Reactivity

Chemical Stability: Stable

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: keep away from flames and ignition sources; do not store above 48.89°C (120°F)

Incompatible materials: strong oxidizers.

Hazardous Polymerization: will not occur.

11. Toxicological information

Acute Effects:

Eyes: Can cause pain and slight corneal injury. Vapors irritate eyes.

Skin: Prolonged or repeated contact may cause irritation defatting. May be irritant to skin and mucous membranes

Breathing: Fumes from the propellant are mildly anesthetic, narcotic effects may be seen in the 5,000-10,000 ppm range. High concentrations can cause dizziness, headaches, narcosis and nausea.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenic: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

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

Chronic Effects:

Target Organs/Systematic Effects: Excessive exposure can cause respiratory irritation, liver or kidney damage

12. Ecological information

Toxicity

Aquatic toxicity: Not expected to be harmful to aquatic organisms.

Additional ecological information:

Do not allow large quantities of product to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

13. Disposal information

Waste treatment methods

Do not dispose of in a trash compactor or incinerate.

Disposal must be made according to local and federal official regulations.

SAFETY DATA SHEET
ACCORDING TO REGULATION: 1907/2006

14. Transport information

DOT

UN Number: 1950
UN Proper Shipping Name: Aerosol, Flammable
Transport Hazard Class: 2.1
Subsidiary Class(es): Not available
Container Size : 6-14 aerosol cans
Special precautions for user : Read Safety Instructions, SDS and emergency procedures before handling
Labels required : None
Special Provisions : N82
Packaging exceptions : 306
Packaging non bulk : None
Packaging bulk : None
Propellant: Propane/N-Butane

IATA

UN Number: 1950
UN Proper Shipping Name: Aerosol, Flammable
Transport Hazard Class: 2.1
Subsidiary Class(es): Not available
Container Size : 6-14 oz aerosol cans
Environmental Hazards: No
Labels Required: 2.1
ERG Code: 10L
Special Precautions for user : Read Safety Instructions, SDS and emergency procedures before handling
Packaging Exceptions : LTD QTY (Limited Quantity)

IMDG

UN Number: 1950
UN Proper Shipping Name: AEROSOLS
Transport Hazard Class: 2.1
Subsidiary Class(es): Not available
Container Size : 6-14 oz aerosol cans
Environmental Hazards:
Marine pollutant: No
Labels Required: . None
EmS: F-D, S-U
Special Precautions for user : Read Safety Instructions, SDS and emergency procedures before handling
Packaging Exceptions : LTD QTY (Limited Quantity)

Transport in bulk according to Annex II
Of MARPOL 73/78 and the IBC Code: Not applicable.

DOT



IATA; IMDG



SAFETY DATA SHEET
ACCORDING TO REGULATION: 1907/2006

15. Regulatory information

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated
CERCLA Hazardous Substance List (40 CFR 302.4): Not listed
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed
SARA 304 Emergency release notification: Not regulated

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance- No
SARA 311/312 Hazardous chemical- No

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):
Butane (CAS 106-97-8)
Propane (CAS 74-98-6)
Safe Drinking Water Act (SDWA): Not regulated

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number: Not listed

US State Regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

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

Butane (CAS 106-97-8) 500 lbs.
Propane (CAS 74-98-6) 500 lbs.

US Pennsylvania RTK-Hazardous Substances

Butane (CAS 106-97-8)
Propane (CAS 74-98-6)

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.

International Inventories

<u>Country(s) or Region</u>	<u>Inventory name</u>	<u>On inventory (yes/no)*</u>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances In China (IECSC)	Yes

SAFETY DATA SHEET
ACCORDING TO REGULATION: 1907/2006

15. Regulatory information (cont.)

International Inventories

<u>Country(s) or Region</u>	<u>Inventory name</u>	<u>On inventory (yes/no)*</u>
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemical List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

- * A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)
- * A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory by the governing country(s)

16. Other information

The information contained herein is based on data considered accurate and is offered solely for information, consideration and investigation. Par-Way Tryson extends no warranties, makes no representations and assumes no responsibility as to the accuracy, completeness or suitability of this data for any purchaser's use. Recipients are advised to confirm in advance of the need that the data is correct, applicable and suitable to their circumstances. The data on this Material Safety Data Sheet relates only to this product and does not relate to use with any other material or in any process. The data on the material safety data sheet are not meant to be used as specifications, only guideline information as to safe use of the product. User should also refer to OSHA, State and local safety laws before use. Hazard communication regulations require that employees must be trained on how to use a Safety Data Sheet as a source of hazard information. Standards change without notice; it is the responsibility of the recipient to assure that their personnel have been notified of any changes which may affect them.

Prepared by: Gary Daniels, Quality Systems Auditor, Par-Way Tryson Co.

**GOJO® Green Certified Foam Hand, Hair & Body Wash**

Version 1.0

SDS Number: 400000000171

Revision Date: 10/04/2016

SECTION 1. IDENTIFICATION

Product name : GOJO® Green Certified Foam Hand, Hair & Body Wash

Manufacturer or supplier's details

Company name of supplier : GOJO Industries, Inc.

Address : One GOJO Plaza, Suite 500
Akron, Ohio 44311

Telephone : 1 (330) 255-6000

Emergency telephone number : 1-800-424-9300 CHEMTREC

Recommended use of the chemical and restrictions on use

Recommended use : Skin-care

Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Eye irritation : Category 2B

GHS label elements

Signal word : Warning

Hazard statements : H320 Causes eye irritation.

Precautionary statements : **Response:**
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.


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Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS
Hazardous components

Chemical name	CAS-No.	Concentration (%)
Sodium Laureth Sulfate	68585-34-2	>= 1 - < 5

SECTION 4. FIRST AID MEASURES

General advice	: In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	: If inhaled, remove to fresh air. If symptoms persist, call a physician.
In case of skin contact	: Wash with water and soap as a precaution. Get medical attention if irritation develops and persists.
In case of eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Seek medical advice.
If swallowed	: If swallowed, DO NOT induce vomiting. Rinse mouth with water. Obtain medical attention.
Most important symptoms and effects, both acute and delayed	: Causes eye irritation.
Protection of first-aiders	: First Aid responders should pay attention to self-protection and use the recommended protective clothing

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	: None known.
Hazardous combustion products	: Carbon oxides Sulphur oxides Nitrogen oxides (NOx) Metal oxides
Specific extinguishing methods	: Use extinguishing measures that are appropriate to local circumstances.



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- ods : cumstances and the surrounding environment.
Use water spray to cool unopened containers.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Material can create slippery conditions.
- Environmental precautions : Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area (e.g. by containment or oil barriers).
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Keep in suitable, closed containers for disposal.
Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : For personal protection see section 8.
Do not swallow.
Avoid contact with eyes.
Keep container closed when not in use.
- Conditions for safe storage : Keep in properly labelled containers.
Keep container tightly closed in a dry and well-ventilated place.
Store in accordance with the particular national regulations.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.


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Personal protective equipment

Respiratory protection	: No personal respiratory protective equipment normally required.
Eye protection	: No special protective equipment required. Wear face-shield and protective suit for abnormal processing problems.
Skin and body protection	: No special protective equipment required.
Protective measures	: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Ensure that eye flushing systems and safety showers are located close to the working place.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: clear, light green
Odour	: like fruit
Odour Threshold	: No data available
pH	: 5.3 - 6.7, (20 °C)
Solidification / Setting point	: 2.6 °C
Initial boiling point and boiling range	: 99 °C
Flash point	: > 100 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Density	: 1.008 g/cm ³
Solubility(ies)	


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Water solubility	: soluble
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: not determined
Thermal decomposition	: The substance or mixture is not classified self-reactive.
Viscosity	
Viscosity, kinematic	: 10 - 20 mm ² /s (20 °C)
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION
Information on likely routes of exposure

Inhalation
 Eye contact
 Skin contact

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg
 Method: Calculation method

Components:
Sodium Laureth Sulfate:

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
 Assessment: The substance or mixture has no acute oral toxicity

Skin corrosion/irritation

Not classified based on available information.

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Product:

Assessment: Not irritating when applied to human skin.

Result: No skin irritation

Components:**Sodium Laureth Sulfate:**

Result: Skin irritation

Serious eye damage/eye irritation

Causes eye irritation.

Product:

Result: Mild eye irritation

Components:**Sodium Laureth Sulfate:**

Result: Eye irritation

Remarks: Severe eye irritation

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.


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STOT - repeated exposure

Not classified based on available information.

Components:**Sodium Laureth Sulfate:**

Repeated dose toxicity - Assessment : Causes serious eye irritation.

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION
Ecotoxicity

No data available

Persistence and degradability**Components:****Sodium Laureth Sulfate:**

Biodegradability : Result: Readily biodegradable.

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

SECTION 13. DISPOSAL CONSIDERATIONS
Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

 Contaminated packaging : Dispose of as unused product.
 Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION
International Regulation


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IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

National Regulations**49 CFR**

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION
EPCRA - Emergency Planning and Community Right-to-Know Act**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Pennsylvania Right To Know

Water (Aqua)	7732-18-5	90 - 100 %
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New Jersey Right To Know

Water (Aqua)	7732-18-5	90 - 100 %
Sodium Laureth Sulfate	68585-34-2	1 - 5 %

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other re-


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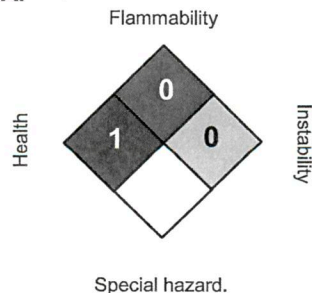
productive harm.

The components of this product are reported in the following inventories:

CH INV	: On the inventory, or in compliance with the inventory
TSCA	: On the inventory, or in compliance with the inventory
DSL	: On the inventory, or in compliance with the inventory
AICS	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION
Further information
NFPA:

HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Revision Date : 10/04/2016

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the



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specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



Material Safety Data Sheet

L-287

Revision 00.0

Revision Date: 05/06/2014

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name(s): Dial® Complete Antibacterial Foaming Hand Wash – Original, Fresh Pear, Kitchen (Citrus), White Tea, Spring Water, Coconut Water, Power Berries, Omega Moisture
DMD Dial® Complete Antibacterial Foaming Hand Wash – Original, Kitchen, Cool Plum

Product Use: Foaming Hand Wash

Formula ID Number(s): 1909620 (Dial Original); 1909642 (Fresh Pear); 1909817 (Kitchen-Citrus); 1909829 (White Tea); 1909950 (Spring Water); 1909959 (Coconut Water); 1909952 (Power Berries); 1915289 (Omega Moisture); 1911880 (DMD Original); 1911923 (DMD Kitchen); 1911932 (DMD Cool Plum)

Company Address: The Dial Corporation, a Henkel Company; 7201 E. Henkel Way; Scottsdale, AZ 85255-9672 USA

Contact Information: Medical Emergencies: 1-888-689-9082 CHEMTREC: 1-800-424-9300 (24 hours daily)

SECTION 2: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION: This product is a colored foaming liquid with pleasant odor. Direct contact with eyes may cause irritation. Repeated or prolonged excessive contact with skin may cause irritation or dermatitis. No significant environmental effects. Not a fire hazard. Product is stable.

This product is labeled in accordance with guidelines set forth in the Food, Drug, and Cosmetic Act. The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this Material Safety Data Sheet may differ from the requirements of the FD&C Act and as a result, this MSDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

Regulatory Status: While this product is not considered to be hazardous under OSHA's Hazard Communication Standard (29 CFR 1900.1200), this MSDS includes valuable information that is critical for safe handling and proper use of this product. This MSDS should be retained and available for employees and other users of this product.

Potential Health Effects

NOTE: The acute health effects described below are those which could potentially occur for the finished product. They are based on the toxicology information available for the finished product and/or each hazardous ingredient, and are consistent with the product type and the likelihood of a specific route of exposure. Known chronic health effects related to exposure to a specific ingredient are indicated.

Eye contact: This product may cause irritation.

Skin contact: Repeated or prolonged excessive exposure may cause irritation or dermatitis.

Ingestion: May cause mild gastrointestinal irritation with nausea, vomiting, diarrhea and abdominal pain.

Inhalation: Unlikely to occur due to the physical properties of the product.

Subchronic/Chronic Health Effects: None known.

Medical Conditions Generally Recognized As Being Aggravated By Exposure: Pre-existing skin conditions.

Potential Environmental Effects

See Section 12: Ecological Information.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Based on our hazard evaluation, the following chemical substance(s) in this product have been identified as hazardous.

<u>Ingredient</u>	<u>CAS Number</u>	<u>Percent (w/w)</u>
Glycerin	56-81-5	1 – 5 %
Lauramine Oxide	1643-20-5	1 – 5 %
Benzethonium Chloride	121-54-0	0 – 1 %

SECTION 4: FIRST AID MEASURES

Eyes: Rinse eyes with plenty of water until no evidence of product remains. Get medical attention if pain or irritation develops.

Skin: Rinse affected area with plenty of water until no evidence of product remains. Discontinue exposure. Get medical attention if irritation develops.

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Ingestion: Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. Contact physician or local poison control center if any symptoms appear.

Inhalation: Remove from exposure area to fresh air. If any symptoms appear, get medical attention.

Note to Physician: The physician's judgment should be used to control symptoms and clinical condition based on the individual reactions of the patient.

SECTION 5: FIRE FIGHTING MEASURES**Flammable Properties**

OSHA Flammability Classification:	Not applicable	Flash Point:	None
Auto-Ignition Temperature:	Not applicable	Flame Projection:	Not available
Flammable/Explosive limits – lower:	Not available	Flammable/Explosive limits – upper:	Not available
Hazardous Combustion Products:	Oxides of carbon and oxides of nitrogen.		

Fire and Explosion Hazard: Negligible fire hazard when exposed to heat or flame.

Extinguishing Media

Dry chemical, carbon dioxide, water spray or regular foam.

Protection of Firefighters

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Use flooding amounts of water as a fog, solid streams may be ineffective. Avoid breathing vapors; keep upwind.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal Precautions:**

Wear skin, eye and respiratory protection as recommended in Section 8. Stop or reduce any leaks if it is safe to do so. Spills present a slipping hazard. Keep unnecessary personnel away. Ventilate spill area if possible. Make sure area is slip-free before re-opening to traffic.

Environmental Precautions:

Small or household quantities may be disposed in sewer or other liquid waste system. For larger quantities check with your local water treatment plant.

Methods for Containment and Clean-Up:

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

SECTION 7: HANDLING AND STORAGE

Handling: Do not get in eyes. Do not take internally. Use with adequate ventilation. Avoid generating aerosols and mists.

Storage: Store in original containers in a cool dry area. Storage areas for large quantities (warehouse) should be well ventilated. Keep the containers tightly closed when not in use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

This product is a personal care or cosmetic product. The use of this product by consumers is safe under normal and reasonable foreseen use. The information provided below refers to the occupational settings.

Worker Exposure Limits

Ingredient	ACGIH TLV	OSHA PEL	AIHA WEEL	NIOSH
Glycerin	TWA: 10 mg/m ³	TWA: 5 mg/m ³ (respirable fraction); 10 mg/m ³ (total mist)	N/A	N/A

Engineering Controls:

Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

Respirator:

Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits. If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

For Fire Fighting and Other Immediately Dangerous To Life or Health Conditions:

Any self-contained breathing apparatus that has a full-face piece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full-face piece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure demand or other positive-pressure mode.

Clothing: Protective clothing is required where repeated or prolonged skin contact may occur.

Gloves: Chemical-resistant gloves are required where repeated or prolonged skin contact may occur.

Eye/Face Protection: Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colored Liquid	Physical state:	Liquid
Odor:	Pleasant	Odor threshold:	None
Boiling point:	Not available	Evaporation rate:	Not available
Melting point:	Not available	Vapor density:	Not available
Specific gravity:	1.00	Vapor pressure:	Not available
pH:	4.5 – 7.00	Water solubility:	Complete
Partition coefficient (n-octanol/water):	Not available	Viscosity (Dynamic):	0 - 200 (cps)
Flammable Properties:	See Section 5		

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).

Conditions to Avoid: Avoid storing in direct sunlight and avoid extremes of temperature.

Incompatible Materials: Strong oxidizers, acids

Hazardous Decomposition Products: Thermal decomposition may release toxic and/or hazardous gases, including ammonia.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Product Information Summary: This product is a personal care or cosmetic product. The use of this product by consumers is safe under normal and reasonable foreseen use. Direct contact with eyes may cause irritation. Repeated or prolonged excessive contact with skin may cause irritation or dermatitis.

Component Analysis: The following toxicity information is for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

Ingredient	LD50 / Draize Score	Toxicity / Irritation Rating
<u>Acute Oral Toxicity</u>		
Glycerin	12,600 mg/kg (rat)	Non-hazardous
Lauramine Oxide	2,700 mg/kg (mouse)	Moderately Toxic
Benzethonium Chloride	295 mg/kg (rat)	Toxic
<u>Acute Dermal Toxicity</u>		
Glycerin	> 10,000 mg/kg (rabbit)	Non-hazardous
Benzethonium Chloride	9,300 mg/kg (rabbit)	Practically Non-hazardous
<u>Acute Inhalation Toxicity</u>		
Glycerin	> 570 mg/m ³ (rat)	Toxic

Sensitization: This product is not considered a skin or respiratory sensitizer.

Carcinogenicity: None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA). IARC and NTP have reviewed Salicylic Acid at the Workplace.

Mutagenicity: None of the ingredients in this product are known to cause mutagenicity.

Reproductive/Fetal/Developmental effects: None of the ingredients in this product are known to have reproductive, fetal, or developmental hazards.

Target organ toxicity: None of the ingredients in this product are known to have target organ toxicity.

Epidemiological information: None of the ingredients in this product are known to have health-related information in working populations.

SECTION 12: ECOLOGICAL INFORMATION

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. The following toxicity information is available for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

Product / Ingredient	LC50/EC50 (Animal Specie)	Toxicity Rating
<u>Vertebrates</u>		
Glycerin	96-hr LC50: 50 mg/L (Oncorhynchus mykiss)	Harmful
Benzethonium Chloride	96-hr LC50: 2.0 mg/L (Fathead Minnow)	Toxic
<u>Invertebrates</u>		
Glycerin	24-hr EC50: > 500 mg/L (Daphnia magna)	Practically Non-Hazardous
Benzethonium Chloride	24-hr LC50: 0.22 mg/L (Daphnia magna)	Very Toxic

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Environmental Fate: No environmental fate data exists for the product. The product is anticipated to be rapidly biodegradable.**Persistence and Degradability:** The persistence and degradability of this product has not been determined.**Bioaccumulation Potential:** The bioaccumulation potential of this product has not been determined.**Mobility:** The mobility of this product (in soil and water) has not been determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Number and Description: Not applicable, not regulated.**Disposal Considerations:****Disposal of products:** This product is not a RCRA hazardous waste and can be disposed of in accordance with federal, state and local regulations.**Disposal of packages:** Not applicable.**Additional information:** Observe all federal, state and local regulations when storing or disposing of this substance

SECTION 14: TRANSPORT INFORMATION

DOT Transportation of Dangerous Goods – GroundDOT Hazard Class: Not regulated
DOT Proper Shipping Name: Not applicable
UN/NA Number: Not applicablePacking Group: Not applicable
Shipping Label Information: Not applicable**International Air Transportation (ICAO/IATA)**ICAO/IATA Hazard Class: Not regulated
ICAO/IATA Proper Shipping Name: Not applicable**Water Transportation (IMO/IMDG)**IMO/IMDG Hazard Class: Not regulated
IMO/IMDG Proper Shipping Name: Not applicable

SECTION 15: REGULATORY INFORMATION

Occupational Safety and Health Act:

Hazard Communication Rule, 29 CFR 1910.1200: The Occupational Safety and Health Administration (OSHA) require Material Safety Data Sheets (MSDSs) to provide information about any hazard that may be associated with the product and make this information available in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this MSDS may contain health hazard information not relevant to consumer use.

United States Regulatory Information:**Food and Drug Administration:** This product is regulated as an over-the-counter (OTC) drug under the Food and Drug Administration.**TSCA:** All components of this product are either listed on or exempt from the U.S. Toxic Substances Control Act (TSCA) chemical substance inventory.**EPA CERCLA/SARA TITLE III Superfund Amendment and Reauthorization Act:** This product contains no CERCLA/SARA Title III materials**CERCLA/SARA Section 302 EHS:** This product contains no extremely hazardous substances reportable under Sections 302.**CERCLA/SARA 311/312:** This product contains Glycerin which is reportable under Section 311.**CERCLA/SARA 313:** Not applicable - Consumer product. Benzethonium chloride is listed by the EPA Clean Water Act - Section 304B - Effluent Limitation Guidelines.**State Regulations**

California Proposition 65: This product does not contain substances listed under California Proposition 65.

Canada Regulatory Information:**Canadian Environmental Protection Act:**

Inventory Status: Some components of this product are not listed on the Canadian Domestic Substances List (DSL) nor the NDSL.

Health Canada:

This product is regulated as a natural health product under the Natural Health Products Directorate.

Worker Hazardous Materials Information System:**WHMIS Classification:** Not subject to classification.

SECTION 16: OTHER INFORMATION

DISCLAIMER: The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, The Dial Corporation makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, The Dial Corporation will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either

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expressed or implied of merchantability, fitness for a particular purpose or of any other nature is made hereunder with respect to the information set forth herein or to the product to which the information refers.

NFPA RATINGS (Scale 0-4, where 4=high degree of hazard): HEALTH=1 FLAMMABILITY=0 REACTIVITY=0
HMIS RATINGS (Scale 0-4, where 4=high degree of hazard): HEALTH=1 FLAMMABILITY=0 REACTIVITY=0

Creation Date: 05/06/2014 Supercedes: N/A

Revision: N/A