

1. IDENTIFICATION

Trade Name: 0.5% Permethrin (Lice) Aerosol Spray
Product identifier: see EPA registration number
Synonym: 3G7
EPA Registration #: 71-1

Manufacturer Name: Perrigo Company
Address: 515 Eastern Avenue
 Allegan, MI 49010 USA

Telephone number: 269-673-8451

Emergency phone number: 888-464-2986 (U.S. calls)
 +1 760-476-3962 Code 333304 (International calls)

Email Address: SDSRequest@perrigo.com

Recommended use: Kills bed bugs, lice and dust mites

Restrictions on use: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. For Indoor Use only. Not for use on humans.

2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Flammable Aerosol Category 1 Gas Under Pressure: Compressed Gas	Aspiration Toxicity Category 1

Label Elements:
Danger!



Hazard statement(s)

Extremely flammable aerosol
 Contains gas under pressure; may explode if heated.
 May be fatal if swallowed and enters airways.

Precautionary statement(s)

Keep away from heat, sparks, open flames and hot surfaces. No smoking.

Precautionary statement(s)

Do not spray on an open flame or other ignition source.
 Do not pierce or burn, even after use.
 IF Swallowed: Immediately call a poison center or doctor.
 Do NOT induce vomiting.
 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.
 Store locked up.
 Dispose in accordance with local and national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Permethrin	52645-53-1	0.5%
Petroleum Distillates, hydrotreated light	64742-47-8	<15%
Propane/Isobutane Propellant	74-98-6 / 75-28-5	<15%

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: Remove person to fresh air. If irritation occurs or symptoms develop, get medical attention.

Skin contact: Wash skin with soap and water. If irritation persists, get medical attention. Remove and contaminated clothing and launder it before reuse.

Eye contact: Immediately flush eyes with water while lifting the upper and lower lids for several minutes. Remove contact lenses, if present and easy to do after 5 minutes of flushing, then continue flushing. Get medical attention if irritation persists.

Ingestion: Rinse mouth with water. DO NOT induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Get immediate medical attention.

Most important symptoms/effects, acute and delayed: May cause mild eye and skin irritation. Ingestion may cause intestinal upset with nausea and vomiting and nervous system effects. Aspiration hazard. May enter the lungs during swallowing or vomiting and cause severe lung damage.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is required for ingestion.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use water fog or spray, carbon dioxide, dry chemical or foam.

Specific hazards arising from the chemical: Extremely Flammable aerosol. Pressurized container may explode if heated. Vapors may be explosive in confined areas. Vapors will collect in low areas. Vapors may be ignited by static sparks.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Cool fire exposed containers with water. Use shielding to protect from bursting cans.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment as described in Section 8. Eliminate all ignition sources and ventilate the area with explosion-proof equipment.

Environmental Precautions: Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

Methods and materials for containment and cleaning up: Place leaking can in a well-ventilated area in a pail or other open container until the pressure has been released. Absorb liquid with an inert material. Collect into a suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid eye and skin contact. Avoid breathing spray. Use only with adequate ventilation. Wash thoroughly after handling. Remove contaminated clothing and launder before re-use. Keep product away from heat, sparks and all other sources of ignition. Do not smoke while using. Do not spray product near fire or heat or onto hot surfaces. Do not leave the can in direct sunlight. Do not puncture or incinerate container, even when empty.

Conditions for safe storage, including any incompatibilities: Do not contaminate water, food, or feed by storage and disposal. Store in a cool, dry area away from children and pets and away from heat, sparks and open flame. Do not transport or store below 32°F (0°C) Do not expose to temperatures above 50°C/120°F. Protect containers from physical damage. Store out of direct sunlight. Store away from oxidizers. Level 1 Aerosol (NFPA 30B).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure guidelines:**

Permethrin	Perrigo OEB4 (1-10 ug/m3) TWA
Petroleum Distillates, hydrotreated light	152 ppm / 1200 mg/m3 TWA manufacturer recommended
Propane/Isobutane Propellant	1000 ppm TWA OSHA PEL 1000 ppm STEL ACGIH TLV

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to minimize exposures levels. Use explosion-proof equipment where required.

Individual protection measures:

Respiratory protection: None needed under normal use conditions. If exposure levels are exceeded or irritation is experienced, a NIOSH approved organic vapor with a particulate pre-filter or supplied air respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

Skin protection: Impervious gloves recommended.

Eye protection: Chemical safety goggles recommended if needed to avoid eye contact.

Other: Protective clothing as needed to avoid skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): White to off-white liquid in an aerosol container.

Odor: Mild pungent odor

Odor threshold: Not determined	pH: 4.7
Melting point/freezing point: Not determined	Boiling Point: Not determined
Flash point: -104.4°C / -156°F (propellant)	Evaporation rate: Not determined
Flammability (solid, gas): Flammable aerosol. Ignition at 75 cm in the ignition distance test.	VOC: 15%
Flammable limits: LEL: Not determined	UEL: Not determined
Vapor pressure: Not determined	Vapor density: Not determined
Relative density: 0.95 (liquid)	Solubility(ies): Soluble in water
Partition coefficient: n-octanol/water: Not available	Auto-ignition temperature: Not available
Decomposition temperature: Not available	Viscosity: Not determined

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable.

Possibility of hazardous reactions: None known.

Conditions to avoid: Avoid heat, sparks, flames, and all other sources of ignition. Pressurized container – protect from sunlight and heat.

Incompatible materials: Avoid oxidizing agents, acids and bases.

Hazardous decomposition products: Thermal decomposition may yield carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute effects of exposure:

Inhalation: Inhalation of spray or vapors may cause irritation of the mucous membranes and upper respiratory tract and central nervous system effects such as dizziness, drowsiness and headache.

Ingestion: Swallowing may cause gastrointestinal irritation and nervous system effects such as drowsiness and dizziness. Aspiration hazard. May enter the lungs during swallowing or vomiting and cause severe lung damage.

Skin contact: May be mildly irritating to skin. Minimal skin irritant in rabbits.

Eye contact: Contact may cause discomfort. Minimally irritating to rabbit eyes.

Chronic Effects: None known.

Sensitization: Negative for skin sensitization in guinea pigs.

Germ Cell Mutagenicity: No adverse effects are expected. Components are not germ cell mutagens.

Reproductive Toxicity: No adverse effects are expected. Components are not reproductive toxins.

Carcinogenicity: None of the components are listed as carcinogens by IARC, NTP or OSHA.

Product Acute Toxicity Values:

LD50 oral rat >5000 mg/kg

LD50 dermal rabbit >5000 mg/kg

LC50 inhalation rat >4.84 mg/L/4 hr.

12. ECOLOGICAL INFORMATION

Ecotoxicity values: This product is classified as toxic to aquatic organisms with long lasting effects. Permethrin: LC50 *Orconectes immunis* (Crayfish) 0.00031 mg/L/48 hr; LC50 *pimephales promelas* 0.003 mg/L/96 hr. Classified as Acute/Chronic Aquatic Toxicity Category 1 (M=1000)

Persistence and degradability: The biodegradation half-life of permethrin in a sediment-seawater solution was less than 2.5 days.

Bioaccumulative potential: BCF values for rainbow trout and sheepshead minnow of approx 560 and 480, respectively, suggest bioconcentration of permethrin in aquatic organisms is high.

Mobility in soil: No data is available.

Other adverse effects: None known.

Environmental hazards (EPA):

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. **Pesticide Disposal and Container Handling:** Do Not Puncture or Incinerate. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP (253-2687) for disposal instructions.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	UN1950	Aerosols	2.1	None	No
TDG	UN1950	Aerosols	2.1	None	No
IMDG	UN1950	Aerosols	2.1	None	Marine Pollutant
IATA	UN1950	Aerosols, flammable	2.1	None	No

Note: This product may be eligible for transport as a Limited Quantity or Consumer Commodity.

Note: This product is classified as a Marine Pollutant (Environmentally Hazardous Substance) in accordance with the IMDG Code and the UN Model Regulations. However, it is packaged in either single packages or inner packagings in combination packages containing net quantities of less than 5 kg/5 L (IMDG Code 2.10.2.7; ICAO Special Instruction A197, 49CFR 171.4(c)(2)) so the marine pollutant requirements are not applicable. Shipment may be regulated additionally as a Marine Pollutant if contents are removed from inner packaging and combined into containers exceeding 5 L or 5 kg.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known.

15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

FIFRA Labeling: CAUTION

CAUTION: Harmful if absorbed through skin. Avoid inhalation of spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or the toilet. Remove and wash contaminated clothing before reuse

PHYSICAL OR CHEMICAL HAZARDS: Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

Safety, health, and environmental regulations specific for the product in question.

CERCLA: This product is not subject to CERCLA release reporting. Many states have more stringent release reporting requirements. Report spills as required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health, Fire Hazard, Sudden Release of Pressure.

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:
Permethrin 0.5%

EPA TSCA Inventory: This product is a pesticide and not subject to TSCA.

CANADA:

Canadian CEPA: This product is a pest control product and not subject to CEPA regulations.

16. OTHER INFORMATION

NFPA Rating: Health = 2 Flammability = 4 Instability = 0
HMIS Rating: Health = 2 Flammability = 2 Physical Hazard = 0

SDS Revision History: Correct Hazard Statement – Section 2

Date of preparation: April 2, 2017

Disclaimer: This SDS has been prepared for occupational exposure. Consumers: Refer to the package insert or product label for appropriate consumer-specific information about this product when used according to manufacturer's directions. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

1. IDENTIFICATION

Product identifier: Maximum Strength Lice Killing Shampoo
Synonym: 866

Manufacturer Name: Perrigo Company
Address: 515 Eastern Avenue
 Allegan, MI 49010 USA

Telephone number: 269-673-8451

Emergency phone number: 888-464-2986 (U.S. calls)
 +1 760-476-3962 Code 333304 (International calls)

Email Address: SDSRequest@perrigo.com

Recommended use: Lice Shampoo
Restrictions on use: Use as directed.

2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Not hazardous	Eye Irritation Category 2A

Label Elements:
Warning!



Hazard statement(s)

Causes serious eye irritation.

Precautionary statement(s)

Wash hands thoroughly after handling.
 Wear eye protection.
 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 attention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Piperonyl Butoxide	51-03-6	4%
Pyrethrins	8003-34-7	0.33%
Water	7732-18-5	Proprietary
Polyoxyethylene (1,1,3,3-tetramethyl butyl) phenyl ether	9036-19-5	10-15%
Benzyl Alcohol	100-51-6	1-5%
Aliphatic Petroleum Distillates	64742-47-8	1-5%
Xanthan Gum	11138-66-2	Proprietary

Fragrance	Mixture	Proprietary
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The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: Remove person to fresh air. If irritation occurs or symptoms develop, get medical attention.

Skin contact: Wash with soap and water. If irritation or rash develops and persists, get medical attention. Remove and contaminated clothing and launder it before reuse.

Eye contact: Flush eyes with water for 15 minutes while lifting the upper and lower lids. Remove contact lenses if present and easy to do, then continue rinsing. Get medical attention if irritation persists.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention if large amount is swallowed.

Most important symptoms/effects, acute and delayed: Causes eye irritation. Ingestion may cause intestinal upset with nausea and vomiting and nervous system effects.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is not generally required.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use any media that is suitable for the surrounding fire.

Specific hazards arising from the chemical: Product is not flammable or combustible but may burn in a fire after the water has evaporated.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Cool fire exposed containers with water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment as described in Section 8. Caution – slip hazard may exist.

Environmental Precautions: Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

Methods and materials for containment and cleaning up: Contain and collect with an inert absorbent material. Place in appropriate container for disposal. Clean area thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid the generation of mists. Avoid contact with eyes, skin and clothing. Rinse thoroughly with water after handling.

Conditions for safe storage, including any incompatibilities: Store as indicated on product packaging between 20 and 22°C. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Piperonyl Butoxide	None Established
Pyrethrins	5 mg/m ³ TWA OSHA PEL and ACGIH TLV
Polyoxyethylene (1,1,3,3-tetramethyl butyl) phenyl ether	None Established
Benzyl Alcohol	10 ppm TWA AIHA WEEL
Aliphatic Petroleum Distillates	None Established
Xanthan Gum	None Established
Fragrance	None Established

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to minimize exposures levels.

Individual protection measures:

Respiratory protection: None needed under normal use conditions. If exposure levels are excessive and irritation is experienced, a NIOSH approved organic vapor/particulate respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

Skin protection: Impervious gloves recommended if needed to avoid prolonged contact and for bulk processing.

Eye protection: Chemical safety goggles recommended if needed to avoid eye contact and for bulk processing.

Other: None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Light yellow liquid

Odor: Sweet citrus

Odor threshold: Not determined	pH: 5.6
Melting point/freezing point: Not determined	Boiling Point: Not determined
Flash point: >200°F (93.3°C)	Evaporation rate: Same as water
Flammability (solid, gas): Not applicable	VOC: Not determined
Flammable limits: LEL: None	UEL: None
Vapor pressure: Same as water	Vapor density: Same as water
Relative density: Not available	Solubility(ies): Not determined
Partition coefficient: n-octanol/water: Not available	Auto-ignition temperature: Not available
Decomposition temperature: Not available	Viscosity: Not available

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable.

Possibility of hazardous reactions: None known.

Conditions to avoid: None known.

Incompatible materials: Avoid oxidizing agents.

Hazardous decomposition products: Thermal decomposition may yield carbon and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Acute effects of exposure:

Inhalation: Inhalation of mists may cause minor irritation of the mucous membranes and upper respiratory tract.

Ingestion: Swallowing may cause gastrointestinal distress with nausea and diarrhea and nervous system effects such as excitation, twitching and tremors.

Skin contact: May cause irritation on prolonged contact.

Eye contact: Contact causes irritation with redness, swelling and tearing.

Chronic Effects: None known.

Sensitization: Some individuals may be sensitive to pyrethrins although they are not classified as skin sensitizers.

Germ Cell Mutagenicity: Components are not germ cell mutagens.

Reproductive Toxicity: Ingredients are not reproductive toxins.

Carcinogenicity: None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values:

Piperonyl Butoxide: LD50 oral rat 4570 mg/kg, LD50 dermal rat >2000 mg/kg.

Pyrethrins: LD50 oral rat 1030 mg/kg; LD50 dermal rat 2000 mg/kg

Polyoxyethylene (1,1,3,3-tetramethyl butyl) phenyl ether: LD50 oral rat 2800 mg/kg

Benzyl Alcohol: LD50 oral rat 1620 mg/kg

12. ECOLOGICAL INFORMATION

Very toxic to aquatic organisms.

Ecotoxicity values: Piperonyl Butoxide: LC50 daphnia magna 0.51 mg/L/48 hr; LC50 rainbow trout 1.9 mg/L/96 hr.

Pyrethrins: LC50 daphnia magna 0.01 mg/L/48 hr; LC50 rainbow trout 0.0051 mg/L/96 hr.

Polyoxyethylene (1,1,3,3-tetramethyl butyl) phenyl ether: EC50 algae 0.21 mg/L/96 hr.

Persistence and degradability: Pyrethrins have low persistence in the environment. Polyoxyethylene (1,1,3,3-tetramethyl butyl) phenyl ether is not readily biodegradable.

Bioaccumulative potential: No data is available

Mobility in soil: No data is available.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. Non-refillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	None	Not Regulated			
TDG	None	Not Regulated			
IMDG	UN3082	Environmentally Hazardous Substance, liquid, n.o.s. (Piperonyl Butoxide, Pyrethrins)	9	III	Marine Pollutant

IATA	UN3082	Environmentally Hazardous Substance, liquid, n.o.s. (Piperonyl Butoxide, Pyrethrins)	9	III	Yes
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Note: This product is classified as a Marine Pollutant (Environmentally Hazardous Substance) in accordance with the IMDG Code and the UN Model Regulations. However, it is packaged in either single packages or inner packagings in combination packages containing net quantities of less than 5 kg/5 L (IMDG Code 2.10.2.7; ICAO Special Instruction A197, 49CFR 171.4(c)(2)). Shipment may be regulated if contents are removed from inner packaging and combined into containers exceeding 5 L or 5 kg.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known.

15. REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

CERCLA: Pyrethrins have an RQ of 1 lb. Many states have more stringent release reporting requirements. Report spills as required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:
Piperonyl butoxide 4%

EPA TSCA Inventory: All components are listed on the TSCA inventory.

16. OTHER INFORMATION

NFPA Rating: Health = 2 Flammability = 0 Instability = 0
HMIS Rating: Health = 2 Flammability = 0 Physical Hazard = 0

SDS Revision History: Convert to OSHA Hazcom 2012 format and content

Date of Preparation: January 30, 2016

Disclaimer: This SDS has been prepared for occupational exposure. Consumers: Refer to the package insert or product label for appropriate consumer-specific information about this product when used according to manufacturer’s directions. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy of the information contained therein, and assume no responsibility regarding the suitability of this information for the user’s intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier: EGG & NIT COMBING GEL

Synonym: ON8

Manufacturer Name: Perrigo Company
Address: 515 Eastern Avenue
 Allegan, MI 49010 USA

Telephone number: 269-673-8451

Emergency phone number: 888-464-2986 (U.S. calls)
 +1 760-476-3962 Code 333304 (International calls)

Email Address: SDSRequest@perrigo.com

Recommended use: Cosmetic for removal of lice

Restrictions on use: Use only as directed.

Date of Preparation: January 18, 2015

2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Not hazardous	Skin Sensitizer Category 1

Label Elements:
Warning!



Hazard statement(s)

May cause an allergic skin reaction.

Precautionary statement(s)

Avoid breathing vapors or mists.
 Wear protective gloves.

Precautionary statement(s)

Contaminated clothing must not be allowed out of the workplace.
 IF on skin: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention.
 Wash contaminated clothing before reuse.
 Dispose in accordance with local and national regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Water	7732-18-5	Proprietary

Glycerin	56-81-5	Proprietary
Hydroxyethyl Cellulose	9004-62-0	Proprietary
PG-hydroxyethylcellulose cocodimonium chloride	130353-64-9	Proprietary
DMDM Hydantoin	6440-58-0	<1%
Iodopropynyl butylcarbamate	55406-53-6	<1%
Polysorbate 20	9005-64-5	Proprietary
Fragrance	Mixture	Proprietary

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: Remove person to fresh air. If irritation occurs or symptoms develop, get medical attention.

Skin contact: This product is intended for use on the skin and hair. If irritation develops and persists, discontinue use and get medical attention. Remove and contaminated clothing and launder it before reuse.

Eye contact: Immediately flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation persists.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

Most important symptoms/effects, acute and delayed: May cause eye and skin irritation. Ingestion may cause gastrointestinal distress. May cause an allergic skin reaction.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is not generally required.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use any media that is suitable for the surrounding fire.

Specific hazards arising from the chemical: Product is not flammable or combustible but may burn in a fire after the water has evaporated.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Cool fire exposed containers with water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment as described in Section 8.

Environmental Precautions: Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

Methods and materials for containment and cleaning up: Contain and collect with an inert absorbent material. Place in appropriate container for disposal. Clean area thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid the generation of mists. Avoid contact with eyes and clothing. Wash thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities: Store as indicated on product packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Glycerin	5 mg/m3 (respirable) 15 mg/m3 (total dust) TWA OSHA PEL
Hydroxyethyl Cellulose	None Established
PG-hydroxyethylcellulose cocodimonium chloride	None Established
DMDM Hydantoin	None Established
Iodopropynyl butylcarbamate	None Established
Polysorbate 20	None Established
Fragrance	None Established

Appropriate engineering controls: No special ventilation required for normal use. Use with adequate general or local exhaust ventilation to minimize exposures levels.

Individual protection measures:

Respiratory protection: None needed under normal use conditions. If exposure levels are excessive and irritation is experienced, a NIOSH approved particulate respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

Skin protection: This product is intended for use on the skin and hair. Impervious gloves recommended for handling this product other than for use.

Eye protection: Chemical safety goggles recommended if needed to avoid eye contact.

Other: None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Off-white gel.

Odor: Odorless

Odor threshold: Not applicable	pH: Not determined
Melting point/freezing point: Not determined	Boiling Point: Not determined
Flash point: None	Evaporation rate: Same as water
Flammability (solid, gas): Not applicable	VOC: Not determined
Flammable limits: LEL: None	UEL: None
Vapor pressure: Same as water	Vapor density: Same as water
Relative density: Not determined	Solubility(ies): Soluble in water
Partition coefficient: n-octanol/water: Not available	Auto-ignition temperature: Not available
Decomposition temperature: Not available	Viscosity: Not determined

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable.

Possibility of hazardous reactions: None known.

Conditions to avoid: Avoid excessive heat.

Incompatible materials: Avoid oxidizing agents.

Hazardous decomposition products: Thermal decomposition may yield carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute effects of exposure:

Inhalation: Inhalation of mists may cause minor irritation of the mucous membranes and upper respiratory tract.

Ingestion: Swallowing may cause gastrointestinal distress with nausea and diarrhea.

Skin contact: No adverse effects are expected. Repeated skin exposure may cause an allergic reaction.

Eye contact: Contact may cause irritation with redness and tearing.

Chronic Effects: None known.

Sensitization: Iodopropynyl butylcarbamate is a skin sensitizer.

Germ Cell Mutagenicity: No adverse effects are expected. Components are not germ cell mutagens.

Reproductive Toxicity: No adverse effects are expected. Components are not reproductive toxins.

Carcinogenicity: None of the components are listed as carcinogens by IARC, NTP or OSHA.

Acute Toxicity Values: Acute Oral Toxicity Estimate (ATE) calculated: >10,000 mg/kg

DMDM Hydantoin: LD50 oral rat 1572 mg/kg

Iodopropynyl butylcarbamate: LD50 oral rat 300-500 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity values: Iodopropynyl butylcarbamate: LC50 *Oncorhynchus mykiss* 0.067 mg/L/96 hr; EC50 *daphnia magna* 0.16 mg/L/48 hr; ErC50 *Scenedesmus subspicatus* 0.053 mg/L/72 hr.

Persistence and degradability: Iodopropynyl butylcarbamate is not readily biodegradable

Bioaccumulative potential: No data is available.

Mobility in soil: No data is available.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. No specific disposal method is recommended.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT		Not Regulated			
TDG		Not Regulated			
IMDG		Not Regulated			
IATA		Not Regulated			

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known.

15. REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

CERCLA: This product is not subject to CERCLA release reporting. Many states have more stringent release reporting requirements. Report spills as required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:
Iodopropynyl butylcarbamate <1%

EPA TSCA Inventory: This product is a cosmetic and not subject to TSCA.

CANADA:

Canadian WHMIS Classification: Cosmetics are exempt from WHMIS

This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

16. OTHER INFORMATION

NFPA Rating: Health = 1 Flammability = 0 Instability = 0
HMIS Rating: Health = 1 Flammability = 0 Physical Hazard = 0

SDS Revision History: New SDS

Date of preparation: January 18, 2015

Date of last revision: New SDS

Disclaimer: This SDS has been prepared for occupational exposure. Consumers: Refer to the package insert or product label for appropriate consumer-specific information about this product when used according to manufacturer's directions. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).