Version 1.2	SDS Number: 400000000496	Revision Date: 02/24/2020
SECTION 1. IDENTIFICATION		
Product name	: Hygiene Point Hand Hygiene Foa Soap with MOISTURIZER	m Fresh Antimicrobial Hand
Product code	: 34082; 34086; 34144	
Manufacturer or supplier's	details	
Company name of supplier Address	 TRIPLE S 2 Executive Park Drive Billerica, Massachusetts 01862 	
Telephone	: 978-667-7900	
Emergency telephone number	: 888-779-1339	
Recommended use of the c	hemical and restrictions on use	
Recommended use Restrictions on use	 Antibacterial Soap This is a personal care or cosmetic consumers and other users under foreseeable use. Cosmetics and of specifically defined by regulations exempt from the requirement of a While this material is not consider contains valuable information critic proper use of the product for indu- as well as unusual and unintender spills. This SDS should be retained 	normal and reasonably consumer products, around the world, are n SDS for the consumer. ed hazardous, this SDS cal to the safe handling and strial workplace conditions d exposures such as large

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 Flammable liquids	: Category 3
Serious eye damage	: Category 1
GHS label elements Hazard pictograms	
Signal word	: Danger
Hazard statements	: H226 Flammable liquid and vapour. H318 Causes serious eye damage.
Precautionary statements	: Prevention: P210 Keep away from heat/sparks/open flames/hot surfaces No smoking.

Hygiene Point Hand Hygiene Foam Fresh Antimicrobial Hand Soap with MOISTURIZER

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical name	CAS-No.	Concentration (%)
Ethyl Alcohol	64-17-5	>= 1 - < 5
Ammonium Laureth Sulfate	67762-19-0	>= 1 - < 5
Ammonium Lauryl Sulfate	2235-54-3	>= 1 - < 5
Propylene Glycol	57-55-6	>= 1 - < 5
Chloroxylenol	88-04-0	>= 0.1 - < 1

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 serious eye damage.
Protection of first-aiders	First Aid responders should pay attention to self-protection and use the recommended protective clothing

Version 1.2

SDS Number: 40000000496

Revision Date: 02/24/2020

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray. Flash back possible over considerable distance. May form explosive mixtures in air. Exposure to decomposition products may be a hazard to health. Carbon oxides Sulphur oxides Nitrogen oxides (NOx)
Hazardous combustion products	:	Carbon oxides Sulphur oxides Nitrogen oxides (NOx)
Specific extinguishing methods	:	Use extinguishing measures that are appropriate to local circumstances 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. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Material can create slippery conditions.
Environmental precautions	: Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. 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	 Non-sparking tools should be used. Soak up with inert absorbent material. Suppress (knock down) gases/vapours/mists with a water spray jet. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

Version 1.2	SDS Number: 40000000496	Revision Date: 02/24/2020
Advice on safe handling	: For personal protection see secti Keep away from heat. Use with local exhaust ventilatior Avoid contact with eyes.	
Conditions for safe storage	 Take measures to prevent the build up of electrostatic charge Keep in properly labelled containers. Keep containers tightly closed in a dry, cool and well- ventilated place. Store in accordance with the particular national regulations. 	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethyl Alcohol	64-17-5	TWA	1,000 ppm 1,900 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m3	OSHA Z-1
		STEL	1,000 ppm	ACGIH
Propylene Glycol	57-55-6	TWA	10 mg/m3	US WEEL
Personal protective equipm	nent			
Respiratory protection	: No personal required.	respiratory prote	ective equipment nor	mally
Hand protection Remarks Eye protection	: No special p	protective equipm hield and protect	nent required. tive suit for abnorma	l processing
Skin and body protection		neasures necess	sary provided produc	t is used
Protective measures Hygiene measures	concentratio the specific Ensure that located clos : Handle in ac practice.	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. Handle in accordance with good industrial hygiene and safety		

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Colour Odour Odour Threshold	 liquid clear, translucent, yellow-orange, amber like fruit No data available
рН	: 4.5 - 8.5, (20 °C)
Melting point/freezing point Initial boiling point and boiling range Flash point	 No data available 83.00 °C 59.89 °C

Version 1.2	SDS Number: 400000000496	Revision Date: 02/24/2020
Evaporation rate	: No data available	
Flammability (solid, gas)	: Not applicable	
Flammability (liquids)	: Does not sustain combustion.	
Upper explosion limit	: No data available	
Lower explosion limit	: No data available	
Vapour pressure	: No data available	
Relative vapour density	: No data available	
Density	: 0.9962 g/cm3	
Solubility(ies) Water solubility	: soluble	
Partition coefficient: n- octanol/water	: Not applicable	
Auto-ignition temperature	: No data available	
Thermal decomposition	: The substance or mixture is not	t classified self-reactive.
Viscosity Viscosity, kinematic	: 10 - 20 mm2/s (20 °C)	
Explosive properties	: Not explosive	
Oxidizing properties	: The substance or mixture is not	t classified as oxidizing.

SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reactions	 Not classified as a reactivity hazard. Stable under normal conditions. Vapours may form explosive mixture with air.
Conditions to avoid Incompatible materials Hazardous decomposition products	 Heat, flames and sparks. Oxidizing agents 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

sion 1.2	SDS Number: 400000000496	Revision Date: 02/24/2
	Method: Calculation method	
<u>Components:</u> Ethyl Alcohol:		
Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg	
Acute inhalation toxicity	: LC50 (Rat): 124.7 mg/l Exposure time: 4 h Test atmosphere: vapour	
Ammonium Laureth Sulfate Acute oral toxicity	e: : LD50 (Rat): 4,100 mg/kg Method: OECD Test Guideline Remarks: Based on data from s	
Acute dermal toxicity	 LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline Assessment: The substance or toxicity Remarks: Based on data from s 	mixture has no acute derma
Ammonium Lauryl Sulfate: Acute oral toxicity	: LD50 (Rat): 2,000 mg/kg Method: EC Directive 92/69/EE Remarks: Based on data from s	
Propylene Glycol: Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg	
Acute inhalation toxicity	 LC50 (Rabbit): > 159 mg/l, > 51 Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or inhalation toxicity 	
Acute dermal toxicity	: LD50 (Rabbit): > 2,000 mg/kg Assessment: The substance or toxicity	mixture has no acute derma
Chloroxylenol: Acute oral toxicity	: Acute toxicity estimate : 500 mg Method: Expert judgement Remarks: Based on harmonise on 1272/2008, Annex VI	
Acute inhalation toxicity	: LC50 (Rat): > 6.29 mg/l Test atmosphere: dust/mist	
Acute dermal toxicity	: LD50 (Rat): > 2,000 mg/kg	
Skin corrosion/irritation Not classified based on avail	able information.	
<u>Components:</u> Ethyl Alcohol:		

Version 1.2

SDS Number: 40000000496

Revision Date: 02/24/2020

Result: No skin irritation

Ammonium Laureth Sulfate:

Species: Rabbit Method: OECD Test Guideline 404 Result: Skin irritation Remarks: Based on data from similar materials

Ammonium Lauryl Sulfate:

Species: Rabbit Method: OECD Test Guideline 404 Result: Skin irritation

Propylene Glycol:

Species: Rabbit Method: OECD Test Guideline 404 Result: No skin irritation

Chloroxylenol:

Result: Skin irritation Remarks: Based on harmonised classification in EU regulati on 1272/2008, Annex VI

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

Ethyl Alcohol: Species: Rabbit Result: Irritation to eyes, reversing within 21 days Method: OECD Test Guideline 405

Ammonium Laureth Sulfate:

Species: Rabbit Result: Irreversible effects on the eye Remarks: Based on data from similar materials

Ammonium Lauryl Sulfate:

Species: Rabbit Result: Irreversible effects on the eye Method: OECD Test Guideline 405

Propylene Glycol:

Species: Rabbit Result: No eye irritation Method: OECD Test Guideline 405

Chloroxylenol: Result: Irreversible effects on the eye

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information.

Product:

Result: Does not cause skin sensitisation.

Hygiene Point Hand Hygiene Foam Fresh Antimicrobial Hand Soap with MOISTURIZER

Version 1.2

SDS Number: 400000000496

Revision Date: 02/24/2020

Components:

Ethyl Alcohol:

Test Type: Local lymph node assay (LLNA) Exposure routes: Skin contact Species: Mouse Result: negative

Ammonium Laureth Sulfate:

Test Type: Maximisation Test (GPMT) Exposure routes: Skin contact Species: Guinea pig Method: OECD Test Guideline 406 Result: negative Remarks: Based on data from similar materials

Ammonium Lauryl Sulfate:

Test Type: Maximisation Test (GPMT) Exposure routes: Skin contact Species: Guinea pig Result: negative Remarks: Based on data from similar materials

Propylene Glycol:

Test Type: Maximisation Test (GPMT) Exposure routes: Skin contact Species: Guinea pig Result: negative

Chloroxylenol:

Assessment: Probability or evidence of skin sensitisation in humans Remarks: Based on harmonised classification in EU regulati on 1272/2008, Annex VI

Germ cell mutagenicity

Not classified based on available information.

Components:

Ethyl Alcohol: Genotoxicity in vitro	:	Test Type: In vitro mammalian cell gene mutation test Result: negative
Genotoxicity in vivo	:	Test Type: Rodent dominant lethal test (germ cell) (in vivo) Test species: Mouse Application Route: Ingestion Result: negative
Ammonium Laureth Sulfate: Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative Remarks: Based on data from similar materials
	:	Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative Remarks: Based on data from similar materials
Genotoxicity in vivo	:	Test Type: Mutagenicity (in vivo mammalian bone-marrow

Hygiene Point Hand Hygiene Foam Fresh Antimicrobial Hand Soap with MOISTURIZER

ersion 1.2	SDS Number: 40000000496 Revision Date: 02/24/2020
	cytogenetic test, chromosomal analysis) Test species: Mouse Application Route: Ingestion Method: OECD Test Guideline 475 Result: negative Remarks: Based on data from similar materials
Ammonium Lauryl Sulfate: Genotoxicity in vitro	: Test Type: In vitro mammalian cell gene mutation test Result: negative Remarks: Based on data from similar materials
Genotoxicity in vivo	 Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Test species: Mouse Application Route: Ingestion Method: OECD Test Guideline 474 Result: negative Remarks: Based on data from similar materials
Propylene Glycol: Genotoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative
Genotoxicity in vivo	: Test Type: In vivo micronucleus test Test species: Mouse Application Route: Intraperitoneal injection Result: negative
Chloroxylenol: Genotoxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative

Carcinogenicity

Not classified based on available information.

Components:

Ammonium Lauryl Sulfate: Species: Rat Application Route: Ingestion Exposure time: 2 Years Result: negative Remarks: Based on data from similar materials

Propylene Glycol:

Species: Rat Application Route: Ingestion Exposure time: 2 Years Result: negative

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.

OSHA

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

Hygiene Point Hand Hygiene Foam Fresh Antimicrobial Hand Soap with MOISTURIZER

rsion 1.2	SDS Number: 400000000496	Revision Date: 02/24/20
	carcinogen by OSHA.	
	No component of this product present equal to 0.1% is identified as a known by NTP.	
Reproductive toxicity		
	e mornation.	
<u>Components:</u> Ethyl Alcohol: Effects on fertility	: Test Type: Two-generation reprodu Species: Mouse Application Route: Ingestion Method: OECD Test Guideline 416 Result: negative	
Ammonium Laureth Sulfate: Effects on fertility	: Test Type: Two-generation reproduces: Rat Application Route: Ingestion Result: negative Remarks: Based on data from simi	
Effects on foetal development	: Test Type: Two-generation reprodu Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from simi	
Ammonium Lauryl Sulfate:		
Effects on foetal development	: Test Type: Embryo-foetal developr Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from simi	
Propylene Glycol:		
Effects on fertility	: Species: Mouse Application Route: Ingestion Result: negative	
Effects on foetal development	: Test Type: Embryo-foetal developr Species: Mouse Application Route: Ingestion Result: negative	nent

STOT - repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components: Ethyl Alcohol:

Version 1.2

SDS Number: 40000000496

Revision Date: 02/24/2020

Species: Rat NOAEL: 2,400 mg/kg Application Route: Ingestion Exposure time: 2 y

Ammonium Laureth Sulfate:

Species: Rat NOAEL: > 225 mg/kg Application Route: Ingestion Exposure time: 90 d Method: OECD Test Guideline 408 Remarks: Based on data from similar materials

Propylene Glycol:

Species: Rat NOAEL: 1,700 mg/kg Application Route: Ingestion Exposure time: 2 y

Chloroxylenol:

Species: Rabbit LOAEL: 180 mg/kg Application Route: Skin contact Exposure time: 90 d

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Com	ponents:

Ethyl Alcohol: Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h
Toxicity to algae	 EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Daphnia magna (Water flea)): 9.6 mg/l Exposure time: 9 d
Toxicity to bacteria	: EC50 (Photobacterium phosphoreum): 32.1 mg/l Exposure time: 0.25 h
Ammonium Laureth Sulfate: Toxicity to fish	 LC50 (Danio rerio (zebra fish)): 7.1 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materials

ersion 1.2	SDS Number: 40000000496	Revision Date: 02/24/2020
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water Exposure time: 48 h Method: OECD Test Guideline Remarks: Based on data from	202
Toxicity to algae	 ErC50 (Desmodesmus subspic Exposure time: 72 h Method: OECD Test Guideline Remarks: Based on data from NOEC (Desmodesmus subspic Exposure time: 72 h 	201 similar materials
	Method: OECD Test Guideline Remarks: Based on data from	
Toxicity to fish (Chronic toxicity)	: NOEC (Oncorhynchus mykiss Exposure time: 28 d Method: OECD Test Guideline Remarks: Based on data from	204
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Daphnia magna (Wate Exposure time: 21 d Remarks: Based on data from	
Toxicity to bacteria	: EC10 (Pseudomonas putida): Exposure time: 16 h Method: DIN 38 412 Part 8 Remarks: Based on data from	-
Ammonium Lauryl Sulfate: Toxicity to fish	: LC50 (Oncorhynchus mykiss (Exposure time: 96 h Method: OECD Test Guideline Remarks: Based on data from	203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water Exposure time: 48 h Method: Tested according to D Remarks: Based on data from	Directive 92/69/EEC.
Toxicity to algae	: ErC50 (Desmodesmus subspic Exposure time: 72 h Method: Directive 67/548/EEC Remarks: Based on data from	, Annex V, C.3.
	EC10 (Desmodesmus subspic Exposure time: 72 h Method: Directive 67/548/EEC Remarks: Based on data from	, Annex V, C.3.
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Ceriodaphnia Dubia (w Exposure time: 7 d Remarks: Based on data from	
Toxicity to bacteria	: EC0 (Pseudomonas putida): 4 Exposure time: 16 h Method: DIN 38 412 Part 8 Remarks: Based on data from	-

Exposure time: 48 h Method: OECD Test Guideline 201Toxicity to fish (Chronic toxicity): Chronic Toxicity Value: 2,500 mg/l Exposure time: 30 dToxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC (Ceriodaphnia Dubia (water flea)): 29,000 mg/l Exposure time: 7 dToxicity to bacteria: NOEC (Pseudomonas putida): > 20,000 mg/l Exposure time: 18 hChloroxylenol: Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 0.76 mg/l Exposure time: 96 hToxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 7.7 mg/l Exposure time: 48 hM-Factor (Acute aquatic toxicity): 1Components: Ethyl Alcohol: Biodegradability: Result: Readily biodegradable. BiodegradabilityResult: Readily biodegradable. Biodegradability: Result: Readily biodegradable. Biodegradability		
aquatic invertebratesExposure time: 48 hToxicity to algae:EC50 (Skeletonema costatum (marine diatom)): 19,000 m Exposure time: 48 h Method: OECD Test Guideline 201Toxicity to fish (Chronic toxicity):Chronic Toxicity Value: 2,500 mg/l Exposure time: 30 dToxicity to daphnia and other aquatic invertebrates (Chronic toxicity):NOEC (Ceriodaphnia Dubia (water flea)): 29,000 mg/l Exposure time: 7 dToxicity to bacteria:NOEC (Ceriodaphnia Dubia (water flea)): 29,000 mg/l Exposure time: 7 dChloroxylenol: Toxicity to bacteria:NOEC (Pseudomonas putida): > 20,000 mg/l Exposure time: 18 hChloroxylenol: Toxicity to fish:LC50 (Oncorhynchus mykiss (rainbow trout)): 0.76 mg/l Exposure time: 96 hToxicity to daphnia and other aquatic invertebrates:EC50 (Daphnia magna (Water flea)): 7.7 mg/l Exposure time: 48 hM-Factor (Acute aquatic toxicity):1Persistence and degradability:1Components: Biodegradability:Result: Readily biodegradable. BiodegradabilityBiodegradability:Result: Readily biodegradable. Biodegradation: 84 % Exposure time: 20 d	/1	
Exposure time: 48 h Method: OECD Test Guideline 201Toxicity to fish (Chronic toxicity): Chronic Toxicity Value: 2,500 mg/l Exposure time: 30 dToxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC (Ceriodaphnia Dubia (water flea)): 29,000 mg/l Exposure time: 7 dToxicity to bacteria: NOEC (Pseudomonas putida): > 20,000 mg/l Exposure time: 18 hChloroxylenol: Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 0.76 mg/l Exposure time: 96 hToxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 7.7 mg/l Exposure time: 48 hM-Factor (Acute aquatic toxicity): 1Components: Ethyl Alcohol: Biodegradability: Result: Readily biodegradable. BiodegradabilityAmmonium Laureth Sulfate:: Result: Readily biodegradable. Biodegradability		
toxicity)Exposure time: 30 dToxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC (Ceriodaphnia Dubia (water flea)): 29,000 mg/l Exposure time: 7 dToxicity to bacteria: NOEC (Pseudomonas putida): > 20,000 mg/l Exposure time: 18 hChloroxylenol: Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 0.76 mg/l Exposure time: 96 hToxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 7.7 mg/l Exposure time: 48 hM-Factor (Acute aquatic toxicity): 1Persistence and degradability: 1Components: Ethyl Alcohol: Biodegradability: Result: Readily biodegradable. Biodegradation: 84 % Exposure time: 20 dAmmonium Laureth Sulfate::		
aquatic invertebrates (Chronic toxicity) Toxicity to bacteriaExposure time: 7 dToxicity to bacteriaNOEC (Pseudomonas putida): > 20,000 mg/l Exposure time: 18 hChloroxylenol: Toxicity to fishLC50 (Oncorhynchus mykiss (rainbow trout)): 0.76 mg/l Exposure time: 96 hToxicity to daphnia and other aquatic invertebratesEC50 (Daphnia magna (Water flea)): 7.7 mg/l Exposure time: 48 hM-Factor (Acute aquatic toxicity)1Persistence and degradability1Components: Ethyl Alcohol: BiodegradabilityResult: Readily biodegradable. BiodegradabilityAmmonium Laureth Sulfate:20 d		
Toxicity to bacteria: NOEC (Pseudomonas putida): > 20,000 mg/l Exposure time: 18 hChloroxylenol: Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 0.76 mg/l Exposure time: 96 hToxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 7.7 mg/l Exposure time: 48 hM-Factor (Acute aquatic toxicity): 1Persistence and degradability: 1Components: Ethyl Alcohol: Biodegradability: Result: Readily biodegradable. BiodegradabilityAmmonium Laureth Sulfate:: 1		
Toxicity to fish:LC50 (Oncorhynchus mykiss (rainbow trout)): 0.76 mg/l Exposure time: 96 hToxicity to daphnia and other aquatic invertebrates:EC50 (Daphnia magna (Water flea)): 7.7 mg/l Exposure time: 48 hM-Factor (Acute aquatic toxicity):1Persistence and degradability:1Components: Ethyl Alcohol: Biodegradability:Result: Readily biodegradable. Biodegradabile. BiodegradabilityAmmonium Laureth Sulfate:::		
aquatic invertebrates Exposure time: 48 h M-Factor (Acute aquatic : 1 toxicity) Persistence and degradability Components: Ethyl Alcohol: Biodegradability Biodegradability Ammonium Laureth Sulfate:		
toxicity) Persistence and degradability Components: Ethyl Alcohol: Biodegradability : Result: Readily biodegradable. Biodegradation: 84 % Exposure time: 20 d Ammonium Laureth Sulfate:		
Components: Ethyl Alcohol: Biodegradability : Result: Readily biodegradable. Biodegradation: 84 % Exposure time: 20 d Ammonium Laureth Sulfate:		
Ethyl Alcohol: Biodegradability : Result: Readily biodegradable. Biodegradation: 84 % Exposure time: 20 d		
Biodegradability : Result: Readily biodegradable. Biodegradation: 100 % Exposure time: 28 d Method: Directive 67/548/EEC Annex V, C.4.C. Remarks: Based on data from similar materials		
Ammonium Lauryl Sulfate: Biodegradability Result: Readily biodegradable. Biodegradation: 75.7 % Exposure time: 28 d Method: OECD Test Guideline 301B Remarks: Based on data from similar materials		
Propylene Glycol: : Result: Readily biodegradable. Biodegradability : Result: Readily biodegradable. Biodegradation: 98.3 % Exposure time: 28 d Method: OECD Test Guideline 301F		

ersion 1.2	SDS Number: 400000000496	Revision Date: 02/24/2020
Bioaccumulative potential		
Components:		
Ethyl Alcohol: Partition coefficient: n- octanol/water	: log Pow: -0.35	
Ammonium Laureth Sulfate: Partition coefficient: n- octanol/water	: log Pow: 0.3	
Ammonium Lauryl Sulfate: Partition coefficient: n- octanol/water	: log Pow: 0.8 - 0.91	
Propylene Glycol: Partition coefficient: n- octanol/water	: log Pow: -1.07	
Chloroxylenol: Partition coefficient: n- octanol/water	: log Pow: 3.27	
Mobility in soil		
No data available		
Other adverse effects No data available		
Product:		
Regulation	40 CFR Protection of Environn Stratospheric Ozone - CAA Se	
Remarks	This product neither contains, Class I or Class II ODS as defi Section 602 (40 CFR 82, Subp	ined by the U.S. Clean Air Act

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues Contaminated packaging	 Dispose of in accordance with local regulations. 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
---------------	------------

IATA-DGR		
UN/ID No.	:	UN 1170
Proper shipping name	:	Ethanol solution
Class	:	3
Packing group	:	III
Packing instruction (cargo	:	366
aircraft)		
Packing instruction	:	355
(passenger aircraft)		

Version 1.2	SDS Number: 400000000496	Revision Date: 02/24/2020
IMDG-Code UN number Proper shipping name Class Packing group Labels EmS Code Marine pollutant National Regulations	: UN 1170 : ETHANOL SOLUTION : 3 : III : 3 : F-E, S-D : no	
49 CFR UN/ID/NA number Proper shipping name Class Packing group ERG Code Marine pollutant	: UN 1170 : Ethanol solutions : 3 : III : 127 : no	

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	:	Fire Hazard 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).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

	••••••	
Ethyl Alcohol	64-17-5	4.405 %
Propylene Glycol	57-55-6	2 %
aduat daga nat contain an	V/OC exemptions li	ated under the LLC Clean

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 toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

	UNIZER				
ersion 1.2		SDS Number: 4000000	00496 Revision	Revision Date: 02/24/2020	
Massachus	etts Right To Kn	ow			
	Ethyl Alcoho	I	64-17-5	1 - 5 %	
Pennsvlvar	nia Right To Kno	w			
, ,	Water (Aqua		7732-18-5	70 - 90 %	
	Ethyl Alcoho	·	64-17-5	1 - 5 %	
	Ammonium I	Laureth Sulfate	67762-19-0	1 - 5 %	
	Ammonium I	Lauryl Sulfate	2235-54-3	1 - 5 %	
	Propylene Glycol Isopropyl Alcohol		57-55-6	1 - 5 %	
			67-63-0	0.1 - 1 %	
	Ammonium S	Sulfate	7783-20-2	0.1 - 1 %	
New Jersey	Right To Know				
-	Water (Aqua)	7732-18-5	70 - 90 %	
	Ethyl Alcoho		64-17-5	1 - 5 %	
	Ammonium I	Laureth Sulfate	67762-19-0	1 - 5 %	
	Ammonium I	Lauryl Sulfate	2235-54-3	1 - 5 %	
	Propylene G	lycol	57-55-6	1 - 5 %	
		of California to cause reproductive harm.	e cancer, birth defects, c	or any other	
The compo TSCA	nents of this pro	duct are reported in the : On TSCA Inventory	following inventories:		
AICS		: On the inventory, or i	n compliance with the ir	iventory	
DSL		: On the inventory, or i	n compliance with the ir	ventory	
ENCS		: On the inventory, or i	n compliance with the ir	iventory	
ISHL		: On the inventory, or i	n compliance with the ir	iventory	
KECI		: On the inventory, or i	n compliance with the ir	iventory	
PICCS		: On the inventory, or i	n compliance with the ir	iventory	
IECSC		: On the inventory, or i	n compliance with the ir	iventory	
NZIoC		: On the inventory, or i	n compliance with the ir	iventory	

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)

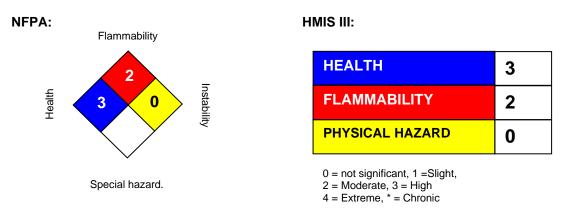
Version 1.2

SDS Number: 400000000496

Revision Date: 02/24/2020

SECTION 16. OTHER INFORMATION

Further information



Revision Date : 02/24/2020

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 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.