according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD MSEC Mint

Version 1.1

Revision Date 07/05/2019

Print Date 07/07/2021

SDS Number 350000035849

1. PRODUCT AND COMPANY IDENTIFICATION

Product information		
Product name	:	MMCD MSEC Mint
Recommended use	:	Hard Surface Cleaner
Restrictions on use	:	Use only as directed on label
Manufacturer, importer, supplier	:	Caldrea 1525 Howe Street Racine WI 53403-2236
Telephone	:	+1-800-558-5252
Emergency telephone number	:	24 Hour Medical Emergency Phone: (866)231-5406 24 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

Labelling

Precautionary statements Other hazards

: None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
2 methyl 4 isothiazolin-3-one	2682-20-4	0.0001 - 0.10

according to Hazard Communication Standard; 29 CFR 1910.1200

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The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see www.caldrea.com.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact	: No special requirements	
Skin contact	: No special requirements	
Inhalation	: No special requirements.	
Ingestion	: No special requirements	

Most important symptoms and effects, both acute and delayed

Eyes	: No adverse effects expected when used as direct	ted.
Skin effect	: No adverse effects expected when used as direct	ted.
Inhalation	: No adverse effects expected when used as direct	ted.
Ingestion	: No adverse effects expected when used as direct	cted.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resist carbon dioxide.	tant foam, dry chemical or
Specific hazards during firefighting	Container may melt and leak ir	n heat of fire.

MMCD MSEC Mint Version 1.1 Print Date 07/07/2021 Revision Date 07/05/2019 SDS Number 350000035849 Further information : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus. 6. ACCIDENTAL RELEASE MEASURES Personal precautions Personal precautions : Wash thoroughly after handling. Environmental precautions : Outside of normal use, avoid release to the environment. precautions : Dike large spills. Clean residue from spill site. Clean residue from spill site. Functional precautions for safe : Avoid contact with skin, eyes and clothing. For personal protection against fire and explosion : Normal measures for preventive fire protection. against fire and explosion : Normal measures for preventive fire protection. Storage : Keep container closed when not in use.	-	
Revision Date 07/05/2019 SDS Number 35000035849 Further information Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective Clubing and positive pressure self-contained breathing apparatus. 6.ACCIDENTAL RELEASE MEASURES Personal precautions Wash thoroughly after handling. Environmental Clubicide of normal use, avoid release to the environment. precautions Ulticide of normal use, avoid release to the environment. Methods and materials Clubic environmental Containeng methods Clean residue from spill site. Clean residue from spill site. Clean residue from spill site. Clean residue from spill site. Clean residue from spill site. Methods and materials Clean residue from spill site. Clean residue from spill site. Clean residue from spill site. Clean residue from spill site. Clean residue from spill site. Methods Storage KEEP OUT OF REACH OF CHILDREN AND PETS. Advice on protection Kormal measures for preventive fire protection. against fire and explosion Normal measures for preventive fire protection. Storage Keep container closed when not in use.	MMCD MSEC Mint	
Further information :: Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus. 6. ACCIDENTAL RELEASE MEASURES Personal precautions :: Wash thoroughly after handling. Environmental precautions :: Outside of normal use, avoid release to the environment. precautions :: Dike large spills. Clean residue from spill site. Clean residue from spill site. Functions for safe handling :: Avoid contact with skin, eyes and clothing. For personal protection see section 8. KEEP OUT OF REACH OF CHILDREN AND PETS. Advice on protection against fire and explosion : Normal measures for preventive fire protection. Storage : Normal measures for preventive fire protection.	Version 1.1	Print Date 07/07/2021
Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus. 6. ACCIDENTAL RELEASE MEASURES Personal precautions : Wash thoroughly after handling. Environmental precautions : Methods and materials for containment and cleaning up : Dike large spills. Clean residue from spill site. Cleaning up : Andling : Precautions for safe handling : Advice on protection against fire and explosion : Storage : Requirements for storage : Keep container closed when not in use.	Revision Date 07/05/2019	SDS Number 350000035849
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precautions Methods and materials for containment and cleaning up Dike large spills. Clean residue from spill site. 7. HANDLING AND STORAGE Handling Precautions for safe handling : Avoid contact with skin, eyes and clothing. For personal protection see section 8. KEEP OUT OF REACH OF CHILDREN AND PETS. Advice on protection against fire and explosion : Normal measures for preventive fire protection. Storage : Keep container closed when not in use.	Personal precautions	: Wash thoroughly after handling.
for containment and cleaning up Clean residue from spill site. 7. HANDLING AND STORAGE Handling Precautions for safe handling : Avoid contact with skin, eyes and clothing. For personal protection see section 8. KEEP OUT OF REACH OF CHILDREN AND PETS. Advice on protection against fire and explosion : Normal measures for preventive fire protection. Storage : Keep container closed when not in use.		: Outside of normal use, avoid release to the environment.
HandlingPrecautions for safe handling:Avoid contact with skin, eyes and clothing. For personal protection see section 8. KEEP OUT OF REACH OF CHILDREN AND PETS.Advice on protection against fire and explosion:Normal measures for preventive fire protection.Storage Requirements for storage:Keep container closed when not in use.	for containment and	
Precautions for safe handling:Avoid contact with skin, eyes and clothing. For personal protection see section 8. KEEP OUT OF REACH OF CHILDREN AND PETS.Advice on protection against fire and explosion:Normal measures for preventive fire protection.Storage Requirements for storage:Keep container closed when not in use.	7. HANDLING AND STORAGE	
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against fire and explosion Storage Requirements for storage : Keep container closed when not in use.		For personal protection see section 8.
Requirements for storage : Keep container closed when not in use.		: Normal measures for preventive fire protection.
	Storage	
		: Keep container closed when not in use.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection	:	No special requirements.
Hand protection	:	No special requirements.
Eye protection	:	No special requirements.
Skin and body protection	:	No special requirements.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid	
Color	: Colorless	
Odour	: Herbal	
Odour Threshold	: Test not applicable for this product type	
рН	: 7-7.5	
Melting point/freezing point	: 0°C	
Initial boiling point and boiling range	: Test not applicable for this product type	

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Flash point	: does not flash
Evaporation rate	: Test not applicable for this product type
Flammability (solid, gas)	: Does not sustain combustion.
Upper/lower flammability or explosive limits	: Test not applicable for this product type
Vapour pressure	: Test not applicable for this product type
Vapour density	: Test not applicable for this product type
Relative density	: 1.01 g/cm3 at 25 °C
Solubility(ies)	: soluble
Partition coefficient: n- octanol/water	: Test not applicable for this product type
Auto-ignition temperature	: Test not applicable for this product type
Decomposition temperature	: Test not applicable for this product type
Viscosity, dynamic	: similar to water
Viscosity, kinematic	: Test not applicable for this product type

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Oxidizing properties	: Test not applicable for this product type
Volatile Organic Compounds Total VOC (wt. %)*	 0.4 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations
Other information	: None identified
IO. STABILITY AND REACTIVITY	,
Reactivity	: No dangerous reaction known under conditions of normal use.
Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under recommended storage conditions.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.
Conditions to avoid	: Direct sources of heat.
Incompatible materials	: Do not mix with bleach or any other household cleaners. Strong bases
Incompatible materials	: Do not mix with bleach or any other household cleaners. Strong bases
Hazardous decomposition	: Thermal decomposition can lead to release of irritating gases

according to Hazard Communication Standard; 29 CFR 1910.1200

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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 > 5000 mg/kg
Acute inhalation toxicity	: LC50 > 10 mg/L
Acute dermal toxicity	: LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-

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Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical : None known. Condition

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
2 methyl 4 isothiazolin-3-one	LC50	Oncorhynchus mykiss (rainbow trout)	4.77 mg/l	96 h
	NOEC	Oncorhynchus mykiss (rainbow trout)	2.38 mg/l	98 d

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
2 methyl 4 isothiazolin-3-one	EC50	Daphnia magna (Water flea)	0.998 mg/l	48 h
	NOEC	Daphnia magna	0.359 mg/l	21 d

Toxicity to aquatic plants

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ComponentsEnd pointSpeciesValueExposure
time2 methyl 4 isothiazolin-3-oneEC10Pseudokirchneriella
subcapitata (green algae)0.024 mg/l24 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
2 methyl 4 isothiazolin-3-one	No data available		Not readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n- Octanol/water (log)
2 methyl 4 isothiazolin-3-one	3 estimated	-0.32

Mobility

Component	End point	Value
2 methyl 4 isothiazolin-3-one	Кос	0.03 - 246.7

PBT and vPvB assessment

Component	Results
2 methyl 4 isothiazolin-3-one	Not fulfilling PBT and vPvB criteria

Other adverse effects

: None known.

13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

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14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Notification status	:	All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
Notification status	:	All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).
California Prop. 65	:	This product is not subject to the reporting requirements under California's Proposition 65.

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16. OTHER INFORMATION

HMIS Ratings		
Health	0	
Flammability	0	
Reactivity	0	

NFPA Ratings		
Health	0	
Fire	0	
Reactivity	0	
Special	-	

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Dish Soap Mint

Version 1.2

Revision Date 06/09/2020

Print Date 06/29/2021

SDS Number 350000033262

1. PRODUCT AND COMPANY IDENTIFICATION

Product information		
Product name	:	MMCD Dish Soap Mint
Recommended use	:	Hard Surface Cleaner
Restrictions on use	:	Use only as directed on label
Manufacturer, importer, supplier	:	Caldrea 1525 Howe Street Racine WI 53403-2236
Telephone	:	+1-800-558-5252
Emergency telephone number	:	24 Hour Medical Emergency Phone: (866)231-5406 24 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

Labelling

Precautionary statementsOther hazards:None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Sulfuric acid, mono-C10-16-alkyl	68585-47-7	5.00 - 10.00

according to Hazard Communication Standard; 29 CFR 1910.1200

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esters, sodium salts		
Alkylpolyglycoside C10-16	110615-47-9	5.00 - 10.00
Glycerin	56-81-5	1.00 - 5.00

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see www.caldrea.com.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact	:	No special requirements
Skin contact	:	No special requirements
Inhalation	:	No special requirements.
Ingestion	:	No special requirements

Most important symptoms and effects, both acute and delayed

Eyes	: No adverse effects expected when used as directed.	
Skin effect	: No adverse effects expected when used as directed.	
Inhalation	: No adverse effects expected when used as directed.	
Ingestion	: No adverse effects expected when used as directed.	

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing	:	Use water spray, alcohol-resistant foam, dry chemical or
media		carbon dioxide.

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Specific hazards during firefighting	: Container may melt and leak in heat of fire.	
Further information	: Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.	
6. ACCIDENTAL RELEASE MEAS	SURES	
Personal precautions	: Wash thoroughly after handling.	
Environmental precautions	Outside of normal use, avoid release to the environment.	
Methods and materials for containment and cleaning up	Dike large spills. Clean residue from spill site.	
7. HANDLING AND STORAGE		
Handling		
Precautions for safe handling	 Avoid contact with skin, eyes and clothing. For personal protection see section 8. KEEP OUT OF REACH OF CHILDREN AND PETS. 	
Advice on protection against fire and explosion	: Normal measures for preventive fire protection.	
Storage		
Requirements for storage	: Keep container closed when not in use.	

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non- standard units	Basis
Glycerin	56-81-5	15 mg/m3	-	-	OSHA TWA
Glycerin	56-81-5	5 mg/m3	-	-	OSHA TWA

Personal protective equipment

Respiratory protection	:	No special requirements.
Hand protection	:	No special requirements.
Eye protection	:	No special requirements.
Skin and body protection	:	No special requirements.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid
Color	: Colorless
Odour	: Herbal
Odour Threshold	: Test not applicable for this product type
рН	: 7.90

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Melting point/freezing point	: 0°C
Initial boiling point and boiling range	: Test not applicable for this product type
Flash point	: does not flash
Evaporation rate	: Test not applicable for this product type
Flammability (solid, gas)	: Does not sustain combustion.
Upper/lower flammability or explosive limits	: Test not applicable for this product type
Vapour pressure	: Test not applicable for this product type
Vapour density	: Test not applicable for this product type
Relative density	: 1.01 g/cm3 at 25 °C
Solubility(ies)	: soluble
Partition coefficient: n- octanol/water	: Test not applicable for this product type
Auto-ignition temperature	: Test not applicable for this product type
Decomposition temperature	: Test not applicable for this product type
Viscosity, dynamic	: 500 mPa.s

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Viscosity, kinematic	: Test not applicable for this product type
Oxidizing properties	: Test not applicable for this product type
Volatile Organic Compounds Total VOC (wt. %)*	 0.7 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations
Other information	: None identified :
10. STABILITY AND REACTIVITY	(
Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Stable under normal conditions.
Conditions to avoid	: Direct sources of heat.
Incompatible materials	: None known.
Hazardous decomposition products	: Stable under recommended storage conditions.
11. TOXICOLOGICAL INFORMAT	ΓΙΟΝ
Acute oral toxicity	: LD50 > 5000 mg/kg
Acute inhalation toxicity	: LC50 > 10 mg/L

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Acute dermal toxicity : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical : None known. Condition

according to Hazard Communication Standard; 29 CFR 1910.1200

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12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Sulfuric acid, mono-C10-16- alkyl esters, sodium salts	LC50	Oncorhynchus mykiss (rainbow trout)	3.6 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	1.357 mg/l	42 d
Alkylpolyglycoside C10-16	semi- static test LC50 ISO 7346/2	Fish	1 - 10 mg/l	96 h
	NOEC	Fish	> 1 - 10 mg/l	
Glycerin	LC50	Oncorhynchus mykiss (rainbow trout)	51,000 - 57,000 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Sulfuric acid, mono-C10-16- alkyl esters, sodium salts	EC50	Daphnia magna (Water flea)	1 10	48 h
			1.18 - 2.21 mg/l	

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	EC10		0.24 mg/l	48 d
Alkylpolyglycoside C10-16	static test EC50 NOEC	Daphnia magna (Water flea) Daphnia	7 mg/l > 1 - 10 mg/l	48 h
Glycerin	LC50	Daphnia magna (Water flea)	1,955 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Sulfuric acid, mono-C10-16- alkyl esters, sodium salts	NOEC	Scenedesmus quadricauda (Green algae)	0.6 mg/l	72 h
Alkylpolyglycoside C10-16	static test EC50	Desmodesmus subspicatus (green algae)	12.5 mg/l	72 h
Glycerin	EC10	Microcystis aeruginosa (blue-green algae)	2,900 mg/l	168 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Sulfuric acid, mono-C10-16- alkyl esters, sodium salts	100 %		Readily biodegradable.
Alkylpolyglycoside C10-16	> 70 %	28 d	Readily biodegradable.
Glycerin	94 %	24 h	Readily biodegradable.

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Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n- Octanol/water (log)
Sulfuric acid, mono-C10-16- alkyl esters, sodium salts	34.31	2.42
Alkylpolyglycoside C10-16	No data available	<= -0.07
Glycerin	0.89 estimated	-1.76

Mobility

Component	End point	Value
Sulfuric acid, mono-C10-16- alkyl esters, sodium salts	No data available	
Alkylpolyglycoside C10-16	log Koc	1.7
Glycerin	No data available	-

PBT and vPvB assessment

Component	Results
Sulfuric acid, mono-C10-16-	Not fulfilling PBT and vPvB criteria
alkyl esters, sodium salts	
Alkylpolyglycoside C10-16	Not fulfilling PBT and vPvB criteria
Glycerin	Not fulfilling PBT and vPvB criteria

Other adverse effects

: None known.

13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

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Land transport Not classified as dangero	ous in the meaning of transport regulations.
-	
Sea transport Not classified as dangero	ous in the meaning of transport regulations.
Air transport	
Not classified as dangero	ous in the meaning of transport regulations.
15. REGULATORY INFORM	ATION
Notification status	 All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA)
	Chemical Substance Inventory.
Notification status	All incredients of this product correctly with the New Cylesterese
Notification status	 All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental
	Protection Act (CEPA).
California Prop. 65	 This product is not subject to the reporting requirements under California's Proposition 65.

HMIS Ratings		
Health	0	
Flammability	0	
Reactivity	0	

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 NFPA Ratings

 Health
 0

 Fire
 0

 Reactivity
 0

 Special

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

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