

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY FABRIC SOFTENER (GERANIUM)

Version 1.1

Print Date 10/11/2019

Revision Date 06/15/2017

SDS Number 350000025168

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : MRS MEYERS® CLEAN DAY FABRIC SOFTENER (GERANIUM)

Recommended use : Laundry

Manufacturer, importer, supplier : Caldrea
1525 Howe Street
Racine WI 53403-2236

Telephone : +18778651508

Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406
24 Hour International Emergency Phone: (703)527-3887
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
Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsaturated fatty acids, methyl sulfates (salt	157905-74-3	10.00 - 30.00

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Ethyl alcohol	64-17-5	1.00 - 5.00
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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

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

5. FIREFIGHTING MEASURES

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

- 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.

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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 areas and containers : Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m ³	ppm	Non-standard units	Basis
Ethyl alcohol	64-17-5	1,900 mg/m ³	1,000 ppm	-	OSHA TWA
Ethyl alcohol	64-17-5	-	1,000 ppm	-	ACGIH STEL

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: liquid
Color	: white
Odor	: floral
Odour Threshold	: Test not applicable for this product type
pH	: 2.40 - 3.25
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 g/cm ³ at 25 °C
Solubility(ies)	: soluble

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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	: < 100 mPa.s
Viscosity, kinematic	: Test not applicable for this product type
Oxidizing properties	: Test not applicable for this product type
Volatile Organic Compounds Total VOC (wt. %)*	: 2.4 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations
Other information	: None identified :

10. STABILITY AND REACTIVITY

Reactivity	: Do not mix with bleach or any other household cleaners.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Stable under recommended storage conditions.
Conditions to avoid	: Direct sources of heat.

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Incompatible materials : None known.

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

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

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	-

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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 Condition : None known.

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
Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsaturated fatty acids, methyl sulfates (salt)	No data available			
Ethyl alcohol	LC50	Fish	11,200 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
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Ethyl alcohol	static test LC50	Ceriodaphnia dubia	5,012 mg/l	48 h
	NOEC	Daphnia magna	9.6 mg/l	9 d

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsaturated fatty acids, methyl sulfates (salt)	No data available			
Ethyl alcohol	Static EC50	Chlorella vulgaris (Fresh water algae)	275 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsaturated fatty acids, methyl sulfates (salt)	66.2 %	28 d	Readily biodegradable.
Ethyl alcohol	97 %	28 d	Readily biodegradable.

Bioaccumulative potential

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Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsaturated fatty acids, methyl sulfates (salt)	No data available	No data available
Ethyl alcohol	3.2 estimated	-0.35 Measured

Mobility

Component	End point	Value
Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsaturated fatty acids, methyl sulfates (salt)	No data available	
Ethyl alcohol	No data available	

PBT and vPvB assessment

Component	Results
Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsaturated fatty acids, methyl sulfates (salt)	Not fulfilling PBT and vPvB criteria
Ethyl alcohol	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.

California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.

16. OTHER INFORMATION

HMIS Ratings

Health	1
Flammability	1
Reactivity	0

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NFPA Ratings

Health	1
Fire	1
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.

Prepared by	Global Safety Assessment & Regulatory Affairs (GSARA)
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