

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS. MEYER'S® CLEAN DAY DISH SOAP (RADISH SCENT)

Version 1.0

Print Date 06/24/2016

Revision Date 06/05/2015

SDS Number 350000025159

1. PRODUCT AND COMPANY IDENTIFICATION**Product information****Product name** : MRS. MEYER'S® CLEAN DAY DISH SOAP (RADISH SCENT)**Recommended use** : Hard Surface Cleaner**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**

Hazard classification	Hazard category	Hazards identification
Eye irritation	Category 2A	Causes serious eye irritation.

Labelling**Hazard symbols**
Exclamation mark**Signal word**
Warning**Hazard statements**
Causes serious eye irritation.**Precautionary statements**
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.

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Read label before use.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/ attention.

Wear protective gloves/ protective clothing/ eye protection/ face protection.

Wash hands thoroughly after handling.

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	68585-47-7	5.00 - 10.00
Alkylpolyglycoside C10-16	110615-47-9	5.00 - 10.00
Lauryl dimethyl amine oxide	1643-20-5	1.00 - 5.00
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

Eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Skin contact : No special requirements

Inhalation : No special requirements.

Ingestion : No special requirements

5. FIREFIGHTING MEASURES

Suitable extinguishing : Use water spray, alcohol-resistant foam, dry chemical or

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media : 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.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing. For personal protection see section 8. Use only as directed. KEEP OUT OF REACH OF CHILDREN AND PETS. Wash thoroughly after handling.

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.

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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 : Safety glasses with side-shields

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

Odor : spicy

Odour Threshold : Test not applicable for this product type

pH : 7.40 - 7.90

Melting point/freezing point : 0 °C

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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 : 400 - 600 mPa.s

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 : 0.6 % - additional exemptions may apply
Total VOC (wt. %)* : *as defined by US Federal and State Consumer Product Regulations

Other information : None identified :

10. STABILITY AND REACTIVITY

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

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

11. TOXICOLOGICAL INFORMATION

Emergency Overview : Warning

Acute oral toxicity : No data available
Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal

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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	-
Eye irritation	Category 2A	-
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 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
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				time
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	No data available			
Alkylpolyglycoside C10-16	semi-static test LC50 ISO 7346/2	Fish	1 - 10 mg/l	
	NOEC	Fish	> 1 - 10 mg/l	
Lauryl dimethyl amine oxide	LC50	Fish	2.67 - 3.46 mg/l	96 h
	NOEC	Fish	0.42 mg/l	72 d
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				
Alkylpolyglycoside C10-16	static test EC50	Daphnia magna (Water flea)	7 mg/l	48 h
	NOEC	Daphnia	> 1 - 10 mg/l	
Lauryl dimethyl amine oxide	static test EC50	Daphnia (water flea)	3.1 mg/l	48 h

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	NOEC	Daphnia (water flea)	0.7 mg/l	21 d
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	No data available			
Alkylpolyglycoside C10-16	static test EC50	Desmodesmus subspicatus (green algae)	12.5 mg/l	72 h
Lauryl dimethyl amine oxide	EC50	Algae	> 67 mg/l	72 h
Glycerin	No data available	Scenedesmus quadricauda (Green algae)	> 10,000 mg/l	168 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	No data available		
Alkylpolyglycoside C10-16	> 70 %	28 d	Readily biodegradable
Lauryl dimethyl amine oxide	96 %	19 d	
Glycerin	94 %	24 h	Readily biodegradable

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
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Alkylpolyglycoside C10-16	No data available	<= -0.07
Lauryl dimethyl amine oxide	772	4.67
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
Lauryl dimethyl amine oxide	No data available	
Glycerin	No data available	-

PBT and vPvB assessment

Component	Results
Alkylpolyglycoside C10-16	Not fulfilling PBT and vPvB criteria
Lauryl dimethyl amine oxide	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.

Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

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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	0
Reactivity	0

NFPA Ratings

Health	1
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.

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Further information

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Prepared by	Global Safety Assessment & Regulatory Affairs (GSARA)
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