

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : MRS MEYERS® CLEAN DAY MULTI-SURFACE
CONCENTRATE (LEMON VERBENA)

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
Skin sensitisation	Category 1	May cause an allergic skin reaction.

Labelling

Hazard symbols
Exclamation mark

Signal word
Warning

Hazard statements
May cause an allergic skin reaction.

Precautionary statements

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Specific treatment (see supplemental first aid instructions on this label).
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Dispose of contents/ container to an approved incineration plant.
Wear protective gloves.
Avoid breathing spray.
Contaminated work clothing should not be allowed out of the workplace.
Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	149458-07-1	1.00 - 5.00
Alkylpolyglycoside C10-16	110615-47-9	1.00 - 5.00
Alkyl polyglycoside	68515-73-1	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 : No special requirements

Skin contact : Wash off with plenty of water. If skin irritation or rash occurs: Get medical advice/ attention.

Inhalation : No special requirements.

Ingestion : No special requirements

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

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** : Wear personal protective equipment.
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.
Contaminated work clothing should not be allowed out of the workplace.
Avoid breathing vapours, mist or gas.
- Advice on protection against fire and explosion** : Normal measures for preventive fire protection.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

Storage

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

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 : Wear suitable gloves.

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

Odor : Citrus

Odour Threshold : Test not applicable for this product type

pH : 9.25 - 9.75

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

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	: 1.025 g/cm ³ 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

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

Viscosity, kinematic	: Test not applicable for this product type	
Oxidizing properties	: Test not applicable for this product type	
Volatile Organic Compounds	: 0.3 % - 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

Reactivity	: No dangerous reaction known under conditions of normal use.
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
Hazardous decomposition products	: Thermal decomposition can lead to release of irritating gases and vapours.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

11. TOXICOLOGICAL INFORMATION

Emergency Overview : Warning

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	Category 1	-
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	No classification proposed	-

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

toxicity - repeated exposure		
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
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	LC50		4.7 mg/l	96 h
	NOEC		0.25 mg/l	21 d
Alkylpolyglycoside C10-16	semi-static test LC50 ISO 7346/2	Fish	1 - 10 mg/l	
	NOEC	Fish	> 1 - 10 mg/l	
Alkyl polyglycoside	semi-static test LC50	Danio rerio (zebra fish)	126 mg/l	96 h
	semi-static test NOEC	Danio rerio (zebra fish)	1.8 mg/l	28 d

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

	Read-across (Analogy)			
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	LC50		4.7 mg/l	96 h
	NOEC		0.25 mg/l	21 d
Alkyl polyglycoside	semi-static test LC50	Danio rerio (zebra fish)	126 mg/l	96 h
	semi-static test NOEC Read-across (Analogy)	Danio rerio (zebra fish)	1.8 mg/l	28 d
DIPENTENE	LC50 Measured	Leuciscus idus (Golden orfe)	34 mg/l	96 h
Geraniol	static test LC50	Danio rerio (zebra fish)	22 mg/l	96 h
Citronella oil	No data available			

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	EC50 No data available		6.25 mg/l	48 h
Alkylpolyglycoside C10-16	static test	Daphnia magna (Water	7 mg/l	48 h

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

	EC50	flea)		
	NOEC	Daphnia	> 1 - 10 mg/l	
Alkyl polyglycoside	static test EC50	Daphnia magna (Water flea)	> 100 mg/l	48 h
	semi-static test NOEC Read-across (Analogy)	Daphnia magna	1 mg/l	21 d
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	EC50 No data available		6.25 mg/l	48 h
Alkyl polyglycoside	static test EC50	Daphnia magna (Water flea)	> 100 mg/l	48 h
	semi-static test NOEC Read-across (Analogy)	Daphnia magna	1 mg/l	21 d
DIPENTENE	LC50 Calculated No data available	Daphnia magna (Water flea)	31 mg/l	
Geraniol	semi-static test EC50	Daphnia magna (Water flea)	7.75 mg/l	48 h

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

Citronella oil	No data available			

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	EC50 No data available		0.71 mg/l	72 h
Alkylpolyglycoside C10-16	static test EC50	Desmodesmus subspicatus (green algae)	12.5 mg/l	72 h
Alkyl polyglycoside	static test EC50	Desmodesmus subspicatus (green algae)	27.22 mg/l	72 h
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	EC50 No data available		0.71 mg/l	72 h
Alkyl polyglycoside	static test EC50	Desmodesmus subspicatus (green algae)	27.22 mg/l	72 h
DIPENTENE	IC50	Scenedesmus capricornutum (fresh water algae)	13.8 mg/l	96 h
Geraniol	static test ErC50	Scenedesmus capricornutum (fresh water algae)	5.36 mg/l	72 h
Citronella oil	No data available			

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Fatty acids, C12-18, Methyl esters, sulfonated, sodium	No data available		Readily biodegradable.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

salts			
Alkylpolyglycoside C10-16	> 70 %	28 d	Readily biodegradable.
Alkyl polyglycoside	100 %	28 d	Readily biodegradable.
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	No data available		Readily biodegradable.
Alkyl polyglycoside	100 %	28 d	Readily biodegradable.
DIPENTENE	No data available		
Geraniol	82 %	28 d	Readily biodegradable.
Citronella oil	No data available		

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	No data available	No data available
Alkylpolyglycoside C10-16	No data available	<= -0.07
Alkyl polyglycoside	0.9 estimated	1.72
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	No data available	No data available
Alkyl polyglycoside	0.9 estimated	1.72
DIPENTENE	No data available	4.83
Geraniol	No data available	2.6
Citronella oil	No data available	No data available

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

Mobility

Component	End point	Value
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	No data available	
Alkylpolyglycoside C10-16	log Koc	1.7
Alkyl polyglycoside	log Koc	1.7
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	No data available	
Alkyl polyglycoside	log Koc	1.7
DIPENTENE	No data available	
Geraniol	Koc	70.79
Citronella oil	No data available	-

PBT and vPvB assessment

Component	Results
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	Not fulfilling PBT and vPvB criteria
Alkylpolyglycoside C10-16	Not fulfilling PBT and vPvB criteria
Alkyl polyglycoside	Not fulfilling PBT and vPvB criteria
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	Not fulfilling PBT and vPvB criteria
Alkyl polyglycoside	Not fulfilling PBT and vPvB criteria
DIPENTENE	Not fulfilling PBT and vPvB criteria
Geraniol	Not fulfilling PBT and vPvB criteria
Citronella oil	Not fulfilling PBT and vPvB criteria

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

--	--

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

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.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS MEYERS® CLEAN DAY MULTI-SURFACE CONCENTRATE (LEMON VERBENA)

Version 1.1

Print Date 10/14/2019

Revision Date 06/07/2017

SDS Number 350000025202

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.

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)
-------------	-------------------------------------------------------