

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Surface Scrub-Lemon Verbena

Version 1.0

Print Date 07/08/2021

Revision Date 09/04/2020

SDS Number 350000039550

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : MMCD Surface Scrub-Lemon Verbena

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

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.

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Keep out of reach of children.

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
Calcium carbonate	1317-65-3	60.00 - 100.00
Sodium percarbonate peroxyhydrate	15630-89-4	5.00 - 10.00
Silicon dioxide	112926-00-8	1.00 - 5.00
Sodium carbonate	497-19-8	1.00 - 5.00
Crystalline Silica (Quartz)	14808-60-7	0.10 - 1.00

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 : 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

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Most important symptoms and effects, both acute and delayed

- Eyes : Causes serious eye irritation.
- Skin effect : No adverse effects expected when used as directed.
- Inhalation : May cause respiratory tract irritation.
- Ingestion : May cause irritation to mouth, throat and stomach.
May cause abdominal discomfort.
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 media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 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** : Avoid breathing dust.
Avoid dust formation.
Wash thoroughly after handling.
- Environmental precautions** : Outside of normal use, avoid release to the environment.

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Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal. 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/m ³	ppm	Non-standard units	Basis
Calcium carbonate	1317-65-3	5 mg/m ³	-	-	OSHA TWA
Calcium carbonate	1317-65-3	15 mg/m ³	-	-	OSHA TWA
Sodium percarbonate peroxyhydrate	15630-89-4	5 mg/m ³	-	-	SUPPLIER
Sodium carbonate	497-19-8	10 mg/m ³	-	-	SUPPLIER
Crystalline Silica (Quartz)	14808-60-7	0.025 mg/m ³	-	-	ACGIH TWA
Crystalline Silica (Quartz)	14808-60-7	50 µg/m ³	-	-	OSHA TWA

Personal protective equipment

- Respiratory protection** : Use only with adequate ventilation. Substantial amounts of dust can be controlled with local exhaust ventilation or respiratory protection. Dust safety masks are recommended when the dust concentration is more than 10 mg/m³.
- 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: powder
Color	: white
Odour	: Citrus
Odour Threshold	: Test not applicable for this product type
pH	: Test not applicable for this product type
Melting point/freezing point	: Test not applicable for this product type
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	: Test not applicable for this product type

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Solubility(ies)	:	practically insoluble	:
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	:	Test not applicable for this product type	:
Viscosity, kinematic	:	Test not applicable for this product type	:
Oxidizing properties	:	Test not applicable for this product type	:
Volatile Organic Compounds Total VOC (wt. %)*	:	0.3 % - 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	:	Stable under recommended storage conditions.

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reactions

Conditions to avoid : Direct sources of heat.

Incompatible materials : None known.

Incompatible materials : None known.

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

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 > 5000 mg/kg

Acute inhalation toxicity : LC50 > 10 mg/L

Acute dermal toxicity : LD50 2613 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	-
Eye irritation	Category 2A	-
Skin sensitisation	No classification proposed	-

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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 time
Calcium carbonate	LC50	Oncorhynchus mykiss (rainbow trout)	> 10,000 mg/l	96 h
Sodium percarbonate peroxyhydrate	semi-static test LC50 Measured	Pimephales promelas (fathead minnow)	70.7 mg/l	96 h

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Silicon dioxide	LC50 OECD Test Guideline 203	Brachydanio rerio (zebrafish)	> 10,000 mg/l	96 h
Sodium carbonate	static test LC50	Lepomis macrochirus	300 mg/l	96 h
Crystalline Silica (Quartz)	LC0	Danio rerio (zebra fish)	10,000 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Calcium carbonate	EC50	Daphnia magna (Water flea)	> 1,000 mg/l	48 h
Sodium percarbonate peroxyhydrate	semi-static test EC50 Measured	daphnia pulex	4.9 mg/l	48 h
Silicon dioxide	EC50 OECD Test Guideline 202	Daphnia magna (Water flea)	> 10,000 mg/l	24 h
Sodium carbonate	semi-static test EC50	Ceriodaphnia sp.	200 - 227 mg/l	48 h

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Crystalline Silica (Quartz)	LC50	Daphnia magna (Water flea)	> 10,000 mg/l	24 h
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Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Calcium carbonate	EC50	Desmodesmus subspicatus (green algae)	> 200 mg/l	72 h
Sodium percarbonate peroxyhydrate	NOEC No data available	Algae	0.3 mg/l	
Silicon dioxide	static test EL50 Read-across (Analogy) OECD Test Guideline 201	Desmodesmus subspicatus (green algae)	> 10,000 mg/l	72 h
Sodium carbonate	No data available			
Crystalline Silica (Quartz)	No data available			

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Calcium carbonate	No data available		
Sodium percarbonate peroxyhydrate	No data available		
Silicon dioxide	No data available		
Sodium carbonate	No data available		
Crystalline Silica (Quartz)	No data available		

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Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Calcium carbonate	No data available	No data available
Sodium percarbonate peroxyhydrate	No data available	No data available
Silicon dioxide	No data available	0.53 Calculated
Sodium carbonate	No data available	No data available
Crystalline Silica (Quartz)	No data available	No data available

Mobility

Component	End point	Value
Calcium carbonate	No data available	
Sodium percarbonate peroxyhydrate	No data available	
Silicon dioxide	No data available	
Sodium carbonate	No data available	
Crystalline Silica (Quartz)	No data available	

PBT and vPvB assessment

Component	Results
Calcium carbonate	Not fulfilling PBT and vPvB criteria
Sodium percarbonate peroxyhydrate	Not fulfilling PBT and vPvB criteria
Silicon dioxide	Not fulfilling PBT and vPvB criteria
Sodium carbonate	Not fulfilling PBT and vPvB criteria
Crystalline Silica (Quartz)	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

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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.

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16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	0
Reactivity	0

NFPA Ratings

Health	2
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)
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