

# Safety Data Sheet

According to JIS Z 7252: 2014 & JIS Z 7253: 2012



## MMCD Cream Cleaner - Lemon Verbena

Version 1.0

Print Date 06/28/2023

Revision Date 10/11/2017

SDS Number 350000029319  
GEN\_SOF Number 55464

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product information

**Product name** : MMCD Cream Cleaner - Lemon Verbena

**Recommended use** : Hard Surface Cleaner

**Manufacturer, importer, supplier** : Johnson Co., Ltd.  
4-4-5 Minato-Mirai Nishi-ku  
Yokohama-Shi, Kanagawa-ken 14 220-0012

**Telephone** : 220-0012

**Emergency telephone number** : (045) 640-2111  
0120-299-949

### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

#### Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Skin irritation	Category 3	Causes mild skin irritation.
Eye irritation	Category 2A	Causes serious eye irritation.
Skin sensitisation	Category 1	May cause an allergic skin reaction.

#### Labelling

#### Hazard symbols



#### Signal word

Warning

#### Hazard statements

H316) Causes mild skin irritation.  
H319) Causes serious eye irritation.  
H317) May cause an allergic skin reaction.

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#### Precautionary statements

- (P101) If medical advice is needed, have product container or label at hand.
- (P102) Keep out of reach of children.
- (P103) Read label before use.
- (P101) Specific treatment (see supplemental first aid instructions on this label).
- (P102) IF ON SKIN: Wash with plenty of soap and water.
- (P103) If skin irritation or rash occurs: Get medical advice/ attention.
- () 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.
- () Wash contaminated clothing before reuse.
- (P501) Dispose of contents/ container to an approved incineration plant.
- (P280) Wear protective gloves/ eye protection/ face protection.
- (P261) Avoid breathing spray.
- (P264) Wash hands thoroughly after handling.
- (P272) 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
Sodium carbonate	497-19-8	1.00 - 5.00
Sodium Bicarbonate	144-55-8	1.00 - 5.00
Alkylpolyglycoside C10-16	110615-47-9	1.00 - 5.00
Crystalline Silica (Quartz)	14808-60-7	0.10 - 0.50
Benzyl benzoate	120-51-4	0.10 - 0.50
DIPENTENE	138-86-3	0.10 - 0.50
Geraniol	106-24-1	0.10 - 0.50

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.whatsinsidescjohnson.com](http://www.whatsinsidescjohnson.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.

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- 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

#### 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.

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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.  
Wash thoroughly after handling.

**Advice on protection against fire and explosion** : Normal measures for preventive fire protection.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
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#### Personal protective equipment

- Respiratory protection** : No special requirements.
- Hand protection** : Wear suitable gloves.
- 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** : suspension
- Color** : cream
- Odor** : Citrus
  
- Odour Threshold** : Test not applicable for this product type

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<b>pH</b>	: 9.5 - 10.25 at (25 C)
<b>Melting point/freezing point</b>	: 0 C
<b>Initial boiling point and boiling range</b>	: 100 C
<b>Flash point</b>	: does not flash
<b>Evaporation rate</b>	: Test not applicable for this product type
<b>Flammability (solid, gas)</b>	: The product is not flammable.
<b>Upper/lower flammability or explosive limits</b>	: Test not applicable for this product type
<b>Vapour pressure</b>	: Test not applicable for this product type
<b>Vapour density</b>	: Test not applicable for this product type
<b>Relative density</b>	: 1.15 g/cm <sup>3</sup> at 25 C
<b>Solubility(ies)</b>	: partly soluble
<b>Partition coefficient: n-octanol/water</b>	: Test not applicable for this product type
<b>Auto-ignition temperature</b>	: does not ignite
<b>Decomposition temperature</b>	: Test not applicable for this product type

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<b>Viscosity, dynamic</b>	: 25,000 - 50,000 cps at 25 C	
<b>Viscosity, kinematic</b>	: Test not applicable for this product type	
<b>Oxidizing properties</b>	: Test not applicable for this product type	
<b>Volatile Organic Compounds Total VOC (wt. %)*</b>	: 0.3 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	
<b>Other information</b>	: None identified	:

#### 10. STABILITY AND REACTIVITY

<b>Possibility of hazardous reactions</b>	: If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.
<b>Conditions to avoid</b>	: Direct sources of heat.
<b>Incompatible materials</b>	: Do not mix with bleach or any other household cleaners. Strong bases
<b>Hazardous decomposition products</b>	: Thermal decomposition can lead to release of irritating gases and vapours.

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#### 11. TOXICOLOGICAL INFORMATION

**Emergency Overview** : Warning

**Acute oral toxicity** : LD50 > 5000 mg/kg  
**Acute inhalation toxicity** : LC50 > 5.1 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 irritation	Category 3	-
Eye irritation	Category 2A	-
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 toxicity - repeated	No classification proposed	-

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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
Sodium carbonate	static test LC50	Lepomis macrochirus	300 mg/l	96 h
Sodium Bicarbonate	EC50 Measured	Lepomis macrochirus (Bluegill sunfish)	300 mg/l	96 h
Alkylpolyglycoside C10-16	semi-static test LC50 ISO 7346/2	Fish	1 - 10 mg/l	
	NOEC	Fish	> 1 - 10 mg/l	
Crystalline Silica (Quartz)	LC0	Danio rerio (zebra fish)	10,000 mg/l	96 h



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Benzyl benzoate	semi-static test LC50	Danio rerio (zebra fish)	2.32 mg/l	96 h
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
Calcium carbonate	LC50	Oncorhynchus mykiss (rainbow trout)	> 10,000 mg/l	96 h

#### Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Sodium carbonate	semi-static test EC50	Ceriodaphnia sp.	200 - 227 mg/l	48 h
Sodium Bicarbonate	EC50	Daphnia magna (Water flea)	200 mg/l	48 h
Alkylpolyglycoside C10-16	static test EC50	Daphnia magna (Water flea)	7 mg/l	48 h
	NOEC	Daphnia	> 1 - 10 mg/l	

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Crystalline Silica (Quartz)	LC50	Daphnia magna (Water flea)	> 10,000 mg/l	24 h
Benzyl benzoate	static test EC50	Daphnia magna (Water flea)	3.09 mg/l	48 h
	semi-static test NOEC	Daphnia magna	0.258 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
Calcium carbonate	EC50	Daphnia magna (Water flea)	> 1,000 mg/l	48 h

#### Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Sodium carbonate	No data available			
Sodium Bicarbonate	No data available			
Alkylpolyglycoside C10-16	static test EC50	Desmodesmus subspicatus (green algae)	12.5 mg/l	72 h

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Revision Date 10/11/2017

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GEN\_SOF Number 55464

Component	Test Method	Organism	Concentration	Duration
Crystalline Silica (Quartz)	No data available			
Benzyl benzoate	static test EC50	Pseudokirchneriella subcapitata (green algae)	0.475 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
Calcium carbonate	EC50	Desmodesmus subspicatus (green algae)	> 200 mg/l	72 h

#### Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Sodium carbonate	No data available		
Sodium Bicarbonate	No data available		
Alkylpolyglycoside C10-16	> 70 %	28 d	Readily biodegradable.
Crystalline Silica (Quartz)	No data available		
Benzyl benzoate	94 %	28 d	Readily biodegradable.
DIPENTENE	No data available		
Geraniol	82 %	28 d	Readily biodegradable.
Calcium carbonate	No data available		

#### Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Sodium carbonate	No data available	No data available
Sodium Bicarbonate	0.91	-0.46
Alkylpolyglycoside C10-16	No data available	<= -0.07

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GEN\_SOF Number 55464

Crystalline Silica (Quartz)	No data available	No data available
Benzyl benzoate	193.4	3.97
DIPENTENE	No data available	4.83
Geraniol	No data available	2.6
Calcium carbonate	No data available	No data available

#### Mobility

Component	End point	Value
Sodium carbonate	No data available	
Sodium Bicarbonate	No data available	
Alkylpolyglycoside C10-16	log Koc	1.7
Crystalline Silica (Quartz)	No data available	
Benzyl benzoate	Koc	6310
DIPENTENE	No data available	
Geraniol	Koc	70.79
Calcium carbonate	No data available	

#### PBT and vPvB assessment

Component	Results
Sodium carbonate	Not fulfilling PBT and vPvB criteria
Sodium Bicarbonate	Not fulfilling PBT and vPvB criteria
Alkylpolyglycoside C10-16	Not fulfilling PBT and vPvB criteria
Crystalline Silica (Quartz)	Not fulfilling PBT and vPvB criteria
Benzyl benzoate	Not fulfilling PBT and vPvB criteria
DIPENTENE	Not fulfilling PBT and vPvB criteria
Geraniol	Not fulfilling PBT and vPvB criteria

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Calcium carbonate	Not fulfilling PBT and vPvB criteria
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**Other adverse effects** : None known.

#### 13. DISPOSAL CONSIDERATIONS

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

#### 14. TRANSPORT 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**

U.S. Toxic Substances Control Act : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

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#### 16. OTHER INFORMATION

Safety Data Sheets (SDS) are intended to provide workers and emergency personnel with the proper procedures for handling or working with products. The information is intended to address handling of our products in occupational environments in accordance with country and region specific regulatory requirements under the Global Harmonization System of Classification and Labeling of chemicals and mixtures. These SDSs are not applicable to consumer use of our products.

#### Further information

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Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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