

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



MMCD Foaming Hand Wash Concentrated Refill Rain Water

Version 1.0

Print Date 10/07/2022

Revision Date 06/02/2022

SDS Number 350000042323

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : MMCD Foaming Hand Wash Concentrated Refill Rain Water

Recommended use : Personal care

Restrictions on use : Use only as directed on label

Manufacturer, importer, supplier : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Telephone : +18005585252

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
Skin irritation	Category 2	Causes skin irritation.
Skin sensitisation	Category 1	May cause an allergic skin reaction.

Labelling

Hazard symbols

Exclamation mark

Signal word

Warning

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Hazard statements

Causes skin irritation.
May cause an allergic skin reaction.

Precautionary statements

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.
Take off contaminated clothing and wash before reuse.
Dispose of contents/ container to an approved incineration plant.
Wear protective gloves.
Avoid breathing spray.
Wash hands thoroughly after handling.
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
Alkyl polyglycoside	68515-73-1	5.00 - 10.00
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	149458-07-1	5.00 - 10.00
Cocamidopropyl Hydroxysultaine	691400-36-9	1.00 - 5.00
Alkylpolyglycoside C10-16	110615-47-9	1.00 - 5.00
Sodium Benzoate	532-32-1	1.00 - 5.00
Glycerin	56-81-5	1.00 - 5.00
Sodium Glycolate	2836-32-0	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.

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4. FIRST AID MEASURES

Description of first aid measures

- Eye contact** : No special requirements
- Skin contact** : Wash off with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/ attention.
- Inhalation** : No special requirements.
- Ingestion** : No special requirements

Most important symptoms and effects, both acute and delayed

- Eyes** : No adverse effects expected when used as directed.
- Skin effect** : May cause allergic skin reaction.
Causes skin irritation.
No adverse effects expected when used as directed.
- Inhalation** : May cause allergic respiratory reaction.
- 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** : 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** : 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. Wash thoroughly after handling.
- Advice on protection against fire and explosion** : Normal measures for preventive fire protection.

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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
Glycerin	56-81-5	15 mg/m ³	-	-	OSHA TWA
Glycerin	56-81-5	5 mg/m ³	-	-	OSHA TWA

Personal protective equipment

Respiratory protection : Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.

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 : pink

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Odour	: Citrus
Odour Threshold	: Test not applicable for this product type
pH	: 5 - 5.5
Melting point/freezing point	: 0 C
Initial boiling point and boiling range	: > 93.3 °C
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	: No data available
Relative density	: 1.002 - 1.005 g/cm ³ at 25 °C
Solubility(ies)	: soluble
Partition coefficient: n-	: Test not applicable for this product type

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octanol/water

Auto-ignition temperature : Test not applicable for this product type

Decomposition temperature : Test not applicable for this product type

Viscosity, dynamic : similar to water

Viscosity, kinematic : Test not applicable for this product type

Oxidizing properties : Test not applicable for this product type

Volatile Organic Compounds Total VOC (wt. %)* : 6.9 % - 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 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.

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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

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 irritation	Category 2	-
Serious eye damage	No classification proposed	-
Skin sensitisation	Category 1	-
Respiratory	No classification proposed	-

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sensitisation		
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
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

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	Read-across (Analogy)			
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	LC50	Fish	4.7 mg/l	96 h
	NOEC	Fish	0.25 mg/l	21 d
Cocamidopropyl Hydroxysultaine	static test LC50 Read-across (Analogy) OECD Test Guideline 203	Pimephales promelas (fathead minnow)	2.1 - 2.66 mg/l	96 h
Alkylpolyglycoside C10-16	semi-static test LC50 ISO 7346/2	Fish	1 - 10 mg/l	96 h
	NOEC	Fish	> 1 - 10 mg/l	
Sodium Benzoate	flow-through test LC50	Pimephales promelas (fathead minnow)	484 mg/l	96 h
Glycerin	LC50	Oncorhynchus mykiss (rainbow trout)	51,000 - 57,000 mg/l	96 h

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Component	End point	Species	Value	Exposure time
Sodium Glycolate	EC50	Lepomis macrochirus (Bluegill sunfish)	93 mg/l	48 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
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	Daphnia (water flea)	6.25 mg/l	48 h
Cocamidopropyl Hydroxysultaine	static test EC50	Daphnia magna (Water flea)	4 mg/l	48 h
	semi-static test NOEC Read-across	Daphnia magna (Water flea)	1.05 mg/l	21 d

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	(Analogy) OECD Guideline 211 (Daphnia magna Reproduct ion Test)			
Alkylpolyglycoside C10-16	static test EC50	Daphnia magna (Water flea)	7 mg/l	48 h
	NOEC	Daphnia	> 1 - 10 mg/l	
Sodium Benzoate	static test EC50	Daphnia magna (Water flea)	> 100 mg/l	96 h
Glycerin	LC50	Daphnia magna (Water flea)	1,955 mg/l	48 h
Sodium Glycolate	EC50	Daphnia magna (Water flea)	141 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Alkyl polyglycoside	static test	Desmodesmus	27.22 mg/l	72 h

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	EC50	subspicatus (green algae)		
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	EC50	Algae	0.71 mg/l	72 h
Cocamidopropyl Hydroxysultaine	static test NOEC	Skeletonema costatum	0.76 mg/l	72 h
Alkylpolyglycoside C10-16	static test EC50	Desmodesmus subspicatus (green algae)	12.5 mg/l	72 h
Sodium Benzoate	static test EC50	Pseudokirchneriella subcapitata (green algae)	> 100 mg/l	72 h
Glycerin	EC10	Microcystis aeruginosa (blue-green algae)	2,900 mg/l	168 h
Sodium Glycolate	EC50 No data available	Selenastrum capricornutum (green algae)	44 mg/l	

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Alkyl polyglycoside	100 %	28 d	Readily biodegradable.
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	60 %	28 d	Readily biodegradable.
Cocamidopropyl Hydroxysultaine	57 %	28 d	Readily biodegradable.
Alkylpolyglycoside C10-16	> 70 %	28 d	Readily biodegradable.
Sodium Benzoate	> 75 %	28 d	Readily biodegradable.

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Glycerin	94 %	24 h	Readily biodegradable.
Sodium Glycolate	No data available		Readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Alkyl polyglycoside	0.9 estimated	1.72
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	No data available	No data available
Cocamidopropyl Hydroxysultaine	No data available	No data available
Alkylpolyglycoside C10-16	No data available	<= -0.07
Sodium Benzoate	6.3 estimated	1.88
Glycerin	0.89 estimated	-1.76
Sodium Glycolate	No data available	No data available

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Mobility

Component	End point	Value
Alkyl polyglycoside	log Koc	1.7
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	No data available	
Cocamidopropyl Hydroxysultaine	No data available	
Alkylpolyglycoside C10-16	log Koc	1.7
Sodium Benzoate	No data available	
Glycerin	No data available	-
Sodium Glycolate	No data available	

PBT and vPvB assessment

Component	Results
Alkyl polyglycoside	Not fulfilling PBT and vPvB criteria
Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts	Not fulfilling PBT and vPvB criteria
Cocamidopropyl Hydroxysultaine	Not fulfilling PBT and vPvB criteria
Alkylpolyglycoside C10-16	Not fulfilling PBT and vPvB criteria
Glycerin	Not fulfilling PBT and vPvB criteria
Sodium Glycolate	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.

Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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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	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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