

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



MMCD Laundry Detergent Hnysckle LLF Bulk

Version 1.0

Print Date 07/29/2024

Revision Date 06/28/2023

SDS Number 350000044306

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : MMCD Laundry Detergent Hnysckle LLF Bulk

Recommended use : Laundry

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 : +1 8005585252

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
Respiratory sensitisation	Category 1	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Labelling

Hazard symbols
Health hazard

Signal word
Danger

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Hazard statements

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Dispose of contents/ container to an approved incineration plant.

In case of inadequate ventilation wear respiratory protection.

Avoid breathing spray.

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Alcohols, C12-16, ethoxylated	68551-12-2	10.00 - 30.00
Sodium Lauryl Sulfate	68585-47-7	1.00 - 5.00
Sodium chloride	7647-14-5	1.00 - 5.00
Subtilisins (proteolytic enzymes)	9014-01-1	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 : No special requirements

Skin contact : No special requirements

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Inhalation : IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Ingestion : No special requirements

Most important symptoms and effects, both acute and delayed

Eyes : No adverse effects expected when used as directed.

Skin effect : No adverse effects expected when used as directed.

Inhalation : May cause allergic respiratory reaction.

Ingestion : 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.

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.

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6. ACCIDENTAL RELEASE MEASURES

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| 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.
Avoid breathing vapours, mist or gas.
In case of insufficient ventilation, wear suitable respiratory equipment. |
|--------------------------------------|---|

- | | |
|--|---|
| Advice on protection against fire and explosion | : Normal measures for preventive fire protection. |
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Storage

- | | |
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| 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

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** : Use only with adequate ventilation. Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.
- Hand protection** : No special requirements.
- 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. Smoking, eating and drinking should be prohibited in the application area.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form** : liquid
- Color** : colourless
- Odour** : floral
- Odour Threshold** : Test not applicable for this product type
- pH** : 8.2 - 8.6
at (25 C)

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Melting point/freezing point	: 0 °C
Initial boiling point and boiling range	: Test not applicable for this product type
Flash point	: Test not applicable for this product type
Evaporation rate	: Test not applicable for this product type
Flammability (solid, gas)	: Test not applicable for this product type
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	: 1.02 g/cm ³ at 25 °C
Solubility(ies)	: completely 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

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Viscosity, dynamic	: 200 mPa.s at 25 °C	
Viscosity, kinematic	: Test not applicable for this product type	
Oxidizing properties	: Test not applicable for this product type	
Volatile Organic Compounds Total VOC (wt. %)*	: 0.5 % - 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.
Incompatible materials	: Do not mix with bleach or any other household cleaners. Strong bases

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

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 4004 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	-
Skin irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Serious eye damage	No classification proposed	-
Skin sensitisation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory	Category 1	-

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sensitisation		
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
Alcohols, C12-16, ethoxylated	LC50	Danio rerio (zebra fish)	1 - 10 mg/l	96 h
	NOEC	Fish	0.16 -	21 d

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			0.88 mg/l	
Sodium Lauryl Sulfate	flow-through test LC50 Read-across (Analogy)	Danio rerio (zebra fish)	1.3 mg/l	96 h
	flow-through test NOEC Read-across (Analogy)	Pimephales promelas (fathead minnow)	> 1.357 mg/l	42 d
Sodium chloride	flow-through test LC50	Lepomis macrochirus	5,840 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	252 mg/l	33 d
Subtilisins (proteolytic enzymes)	LC50 Measured OECD Test Guideline 203	Oncorhynchus mykiss (rainbow trout)	8.2 mg/l	96 h
	flow-through test NOEC OECD Guideline 210 (Fish, Early-Life)	Pimephales promelas (fathead minnow)	0.042 mg/l	32 d

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	Stage Toxicity Test)			
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Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Alcohols, C12-16, ethoxylated	EC50	Daphnia (water flea)	0.63 - 2.7 mg/l	48 h
	NOEC	Daphnia	0.2 - 0.92 mg/l	21 d
Sodium Lauryl Sulfate	static test EC50 Read-across (Analogy)	Daphnia magna (Water flea)	2.8 mg/l	48 h
	flow-through test NOEC Measured	Ceriodaphnia dubia	0.88 mg/l	7 d
Sodium chloride	static test EC50	Daphnia magna (Water flea)	340.7 - 469.2 mg/l	48 h
	NOEC	Daphnia pulex	314 mg/l	21 d
Subtilisins (proteolytic	semi-	Daphnia magna (Water	0.170 mg/l	48 h

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enzymes)	static EC50 Measured OECD Test Guideline 202	flea)		
	flow- through test NOEC Measured OECD Guideline 211 (Daphnia magna Reproduct ion Test)	Daphnia magna	0.324 mg/l	21 d

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Alcohols, C12-16, ethoxylated	ErC50	Algae	1.6 - 100 mg/l	72 h
Sodium Lauryl Sulfate	static test EC10	Desmodesmus subspicatus (green algae)	5.4 mg/l	72 h
Sodium chloride	IC50	Algae	3,014 mg/l	72 h
Subtilisins (proteolytic enzymes)	ErC50 Measured OECD Test Guideline 201	Pseudokirchneriella subcapitata (green algae) Pseudokirchneriella subcapitata (green algae)	0.83 mg/l 0.317 mg/l	72 h 72 h

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	NOEC Measured OECD Test Guideline 201			
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Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Alcohols, C12-16, ethoxylated	87 %	28 d	Readily biodegradable.
Sodium Lauryl Sulfate	100 %		Readily biodegradable.
Sodium chloride	No data available		
Subtilisins (proteolytic enzymes)	100 %	29 d	Readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Alcohols, C12-16, ethoxylated	1,152 1,152	5.96 5.96
Sodium Lauryl Sulfate	No data available	< 2.1
Sodium chloride	1.09 QSAR	0.54
Subtilisins (proteolytic enzymes)	No data available	-3.1 Measured

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Mobility

Component	End point	Value
Alcohols, C12-16, ethoxylated	No data available	
Sodium Lauryl Sulfate	log Koc	2.5 - 3.19
Sodium chloride	No data available	
Subtilisins (proteolytic enzymes)	No data available	

PBT and vPvB assessment

Component	Results
Alcohols, C12-16, ethoxylated	Not fulfilling PBT and vPvB criteria
Sodium Lauryl Sulfate	Not fulfilling PBT and vPvB criteria
Sodium chloride	Not fulfilling PBT and vPvB criteria
Subtilisins (proteolytic enzymes)	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

California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.

State Right To Know

No components are subject to the Massachusetts Right to Know Act.		
No components are subject to the Minnesota "Right To Know" Act		
No components are subject to the New Jersey "Right To Know" Act		
Pennsylvania RTKL	Water	7732-18-5
	Alcohols, C12-16, ethoxylated	68551-12-2
	Sodium Lauryl Sulfate	68585-47-7
	Sodium sulfate	7757-82-6
	Sodium hydroxide	1310-73-2

16. OTHER INFORMATION

HMIS Ratings

Health	0
Flammability	0
Reactivity	0

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NFPA Ratings

Health	0
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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