

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Lndry Dtrgnt DTV Peony ACP Bulk

Version 1.0

Print Date 07/29/2024

Revision Date 06/14/2023

SDS Number 350000044062

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : MMCD Lndry Dtrgnt DTV Peony ACP Bulk

Recommended use : Laundry

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

This product does not meet the criteria for classification in any hazard class according to regulation OSHA 29 CFR 1910.1200.

Labelling

Precautionary statements

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

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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

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 : No adverse effects expected when used as directed.

Inhalation : No adverse effects expected when used as directed.

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.

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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 : 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.
KEEP OUT OF REACH OF CHILDREN AND PETS.

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

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 : 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : Light

Odour : Herbal

Odour Threshold : Test not applicable for this product type

pH : 8.2 - 8.6
at (20 C)

Melting point/freezing point : Test not applicable for this product type

Initial boiling point and : Test not applicable for this product type

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boiling range

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 : 1.02 g/cm³

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

Viscosity, dynamic : 200 mPa.s

Viscosity, kinematic : Test not applicable for this product type

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Oxidizing properties	: Test not applicable for this product type	
Volatile Organic Compounds	: 0.5 % - 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.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 4004 mg/kg
Acute inhalation toxicity	: LC50 > 10 mg/L

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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	No classification proposed	-
Serious eye damage	No classification proposed	-
Skin sensitisation	No classification proposed	-
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.

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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 - 0.88 mg/l	21 d
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	LC50	Oncorhynchus mykiss	8.2 mg/l	96 h

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enzymes)	Measured OECD Test Guideline 203	(rainbow trout)		
	flow- through test NOEC OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test)	Pimephales promelas (fathead minnow)	0.042 mg/l	32 d

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	Ceriodaphnia dubia	0.88 mg/l	7 d

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	Measured			
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 enzymes)	semi-static EC50 Measured OECD Test Guideline 202	Daphnia magna (Water flea)	0.170 mg/l	48 h
	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	Desmodesmus	5.4 mg/l	72 h

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	EC10	subspicatus (green algae)		
Sodium chloride	IC50	Algae	3,014 mg/l	72 h
Subtilisins (proteolytic enzymes)	ErC50 Measured OECD Test Guideline 201 NOEC 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

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

Not classified as dangerous in the meaning of transport regulations.

Air transport

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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.

16. OTHER INFORMATION

HMIS Ratings

Health	0
Flammability	0
Reactivity	0

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

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Prepared by	Global Safety Assessment & Regulatory Affairs (GSARA)
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