

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MMCD Concentrated Laundry-Baby Blossom

Version 1.1

Print Date 06/29/2021

Revision Date 06/29/2017

SDS Number 350000025132

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : MMCD Concentrated Laundry-Baby Blossom

Recommended use : Laundry

Manufacturer, importer, supplier : Caldrea
1525 Howe Street
Racine WI 53403-2236

Telephone : +18778651508

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 | 5.00 - 10.00 |
| Alkylpolyglycoside C10-16 | 110615-47-9 | 5.00 - 10.00 |
| Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts | 149458-07-1 | 1.00 - 5.00 |
| Fatty Acid, C8-18 and C18 | 67701-05-7 | 1.00 - 5.00 |

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| | | |
|-----------------------------------|-----------|---------------|
| Unsaturated | | |
| Subtilisins (proteolytic enzymes) | 9014-01-1 | 0.0001 - 0.10 |

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

- Eye contact** : No special requirements
- Skin contact** : No special requirements
- 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** : Wash thoroughly after handling.
- Environmental precautions** : Outside of normal use, avoid release to the environment.
- Methods and materials for containment and** : Dike large spills.
Clean residue from spill site.

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cleaning up

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.

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 : Colorless

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| | | |
|---|---|---|
| Odor | : | Citrus |
| Odor | : | sweet floral |
| Odour Threshold | : | Test not applicable for this product type |
| pH | : | 6.75 - 7.25 at (25 C) |
| Melting point/freezing point | : | 0 °C |
| 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 | : | 1.045 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 : 150 - 300 cps
at 25 C

Viscosity, kinematic : Test not applicable for this product type

Oxidizing properties : Test not applicable for this product type

Volatile Organic Compounds : 0.2 % - 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.

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Strong bases

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

11. TOXICOLOGICAL INFORMATION

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

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 corrosion/irritation | No classification proposed | - |
| Serious eye damage/eye irritation | No classification proposed | - |
| Skin sensitisation | No classification proposed | - |
| Respiratory sensitisation | No classification proposed | - |
| Germ cell mutagenicity | No classification proposed | - |
| Carcinogenicity | No classification proposed | - |

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| | | |
| 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 |
| Alkylpolyglycoside C10-16 | semi-static test LC50 ISO 7346/2 | Fish | 1 - 10 mg/l | |
| | NOEC | Fish | > 1 - 10 mg/l | |
| Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts | LC50 | | 4.7 mg/l | 96 h |

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|---------------------------------------|--|--------------------------------------|------------|------|
| | NOEC | | 0.25 mg/l | 21 d |
| Fatty Acid, C8-18 and C18 Unsaturated | LC50 Read-across (Analogy) OECD Test Guideline 203 | Fish | 5 mg/l | 96 h |
| 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 Stage Toxicity Test) | Pimephales promelas (fathead minnow) | 0.042 mg/l | |

Toxicity to aquatic invertebrates

| Components | End point | Species | Value | Exposure time |
|-------------------------------|------------------|----------------------------|---------------|---------------|
| Alcohols, C12-16, ethoxylated | | | | |
| 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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|--|---|----------------------------|------------|------|
| Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts | EC50 No data available | | 6.25 mg/l | 48 h |
| Fatty Acid, C8-18 and C18 Unsaturated | EC50 Read-across (Analogy) OECD Test Guideline 202 | Daphnia magna (Water flea) | 3.6 mg/l | 48 h |
| 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 Reproduction Test) | Daphnia magna | 0.324 mg/l | 21 d |

Toxicity to aquatic plants

| Components | End point | Species | Value | Exposure time |
|-------------------------------|-------------|------------|-----------|---------------|
| Alcohols, C12-16, ethoxylated | | | | |
| Alkylpolyglycoside C10-16 | static test | Desmodemus | 12.5 mg/l | 72 h |

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|--|---|--|-------------------------|--------------|
| | EC50 | subspicatus (green algae) | | |
| Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts | EC50 No data available | | 0.71 mg/l | 72 h |
| Fatty Acid, C8-18 and C18 Unsaturated | static test EC50 Measured OECD Test Guideline 201 | Pseudokirchneriella subcapitata (green algae) | 0.9 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. |
| Alkylpolyglycoside C10-16 | > 70 % | 28 d | Readily biodegradable. |
| Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts | No data available | | Readily biodegradable. |
| Fatty Acid, C8-18 and C18 Unsaturated | No data available | | Readily biodegradable. |
| Subtilisins (proteolytic enzymes) | 100 % | 29 d | Readily biodegradable. |

Bioaccumulative potential

| Component | Bioconcentration | Partition Coefficient n- |
|-----------|------------------|--------------------------|
|-----------|------------------|--------------------------|

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| | factor (BCF) | Octanol/water (log) |
|--|-------------------|---------------------|
| Alcohols, C12-16, ethoxylated | 1,152 1,152 | 5.96 5.96 |
| Alkylpolyglycoside C10-16 | No data available | <= -0.07 |
| Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts | No data available | No data available |
| Fatty Acid, C8-18 and C18 Unsaturated | No data available | 3.33 |
| Subtilisins (proteolytic enzymes) | No data available | -3.1 Measured |

Mobility

| Component | End point | Value |
|--|-------------------|-------|
| Alcohols, C12-16, ethoxylated | No data available | |
| Alkylpolyglycoside C10-16 | log Koc | 1.7 |
| Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts | No data available | |
| Fatty Acid, C8-18 and C18 Unsaturated | 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 |
| Alkylpolyglycoside C10-16 | Not fulfilling PBT and vPvB criteria |
| Fatty acids, C12-18, Methyl esters, sulfonated, sodium salts | Not fulfilling PBT and vPvB criteria |
| Fatty Acid, C8-18 and C18 Unsaturated | Not fulfilling PBT and vPvB criteria |
| Subtilisins (proteolytic enzymes) | 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 is not subject to the reporting requirements under California's Proposition 65.

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16. OTHER INFORMATION

HMIS Ratings

| | |
|--------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |

NFPA Ratings

| | |
|------------|---|
| Health | 1 |
| 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) |
|-------------|---|