

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

MRS. MEYERS® CLEAN DAY AUTOMATIC DISH PACS – LEMON VERBENA SCENT

Version 1.0

Print Date 11/09/2018

Revision Date 05/14/2018

SDS Number 350000034471

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : MRS. MEYERS® CLEAN DAY AUTOMATIC DISH PACS –
LEMON VERBENA SCENT

Recommended use : Speciality Cleaner

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 International Emergency Phone: (703)527-3887
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. |
| Eye irritation | Category 2A | Causes serious eye irritation. |
| Respiratory sensitisation | Category 1 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |

Labelling

Hazard symbols
Exclamation mark
Health hazard

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Signal word

Danger

Hazard statements

Causes skin irritation.

Causes serious eye irritation.

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.

Specific treatment (see supplemental first aid instructions on this label).

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.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation 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.

Take off contaminated clothing and wash before reuse.

Dispose of contents/ container to an approved incineration plant.

Wear protective gloves/ eye protection/ face protection.

In case of inadequate ventilation wear respiratory protection.

Avoid breathing spray.

Wash hands thoroughly after handling.

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS-No. | Weight percent |
|-----------------------------------|------------|----------------|
| Sodium carbonate | 497-19-8 | 30.00 - 60.00 |
| Sodium sulfate | 7757-82-6 | 10.00 - 30.00 |
| Sodium percarbonate peroxyhydrate | 15630-89-4 | 5.00 - 10.00 |
| Sodium silicate | 1344-09-8 | 1.00 - 5.00 |

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| | | |
|-----------------------------------|------------|-------------|
| Titanium Dioxide | 13463-67-7 | 0.10 - 1.00 |
| Subtilisins (proteolytic enzymes) | 9014-01-1 | 0.10 - 1.00 |
| Fragrance - Trade Secret | Mixture | 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** : 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.
- Skin contact** : Wash off with plenty of water. Take off contaminated clothing and wash before reuse.
- 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** : Causes serious eye irritation.
- Skin effect** : 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.

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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.
- 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** : Sweep up and shovel into suitable containers for disposal. 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.

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In case of insufficient ventilation, wear suitable respiratory equipment.
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 |
|-----------------------------------|------------|----------|-----|--------------------|-----------|
| Sodium carbonate | 497-19-8 | 10 mg/m3 | - | - | SUPPLIER |
| Sodium percarbonate peroxyhydrate | 15630-89-4 | 5 mg/m3 | - | - | SUPPLIER |
| Titanium Dioxide | 13463-67-7 | 15 mg/m3 | - | - | OSHA TWA |
| Titanium Dioxide | 13463-67-7 | 10 mg/m3 | - | - | ACGIH TWA |

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 : 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. Smoking, eating and drinking should be prohibited in the application area.

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9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Form | : tablet |
| Color | : off-white |
| Odour | : Citrus |
| Odour Threshold | : |
| pH | : 10.8 at (25 C) powder |
| Melting point/freezing point | : Test not applicable for this product type |
| Initial boiling point and boiling range | : |
| Flash point | : does not flash |
| Evaporation rate | : Test not applicable for this product type |
| Flammability (solid, gas) | : Will not burn |
| Upper/lower flammability or explosive limits | : |
| Vapour pressure | : |
| Vapour density | : |

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| | | | |
|--|---|---|---|
| Relative density | : | 0.85 g/cm3 | |
| Solubility(ies) | : | soluble | |
| Partition coefficient: n-octanol/water | : | Test not applicable for this product type | |
| Auto-ignition temperature | : | | |
| Decomposition temperature | : | | |
| Viscosity, dynamic | : | Test not applicable for this product type | |
| Viscosity, kinematic | : | | |
| Oxidizing properties | : | not determined | |
| Volatile Organic Compounds Total VOC (wt. %)* | : | 2.2 % - 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 | : | If accidental mixing occurs and toxic gas is formed, exit area |

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| | |
|---|--|
| reactions | 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 4820 mg/kg |
| Acute inhalation toxicity | : LC50 1.6 mg/L |
| Acute dermal toxicity | : LD50 2306 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 | - |
| Eye irritation | Category 2A | - |

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| | | |
|--|----------------------------|---|
| Skin sensitisation | No classification proposed | - |
| Respiratory sensitisation | Category 1 | - |
| 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

: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc. may be more susceptible to irritating effects

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 |

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| | | | | |
|--------------------------------------|---|---|-----------------------|------|
| Sodium sulfate | static test LC50 | Lepomis macrochirus | 3,040 - 4,380 mg/l | 96 h |
| Sodium percarbonate peroxyhydrate | semi- static test LC50 Measured | Pimephales promelas (fathead minnow) | 70.7 mg/l | 96 h |
| Sodium silicate | LC50 | Oncorhynchus mykiss (rainbow trout) | 260 - 310 mg/l | 96 h |
| Titanium Dioxide | No data available | | | |
| 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 | |
| Fragrance - Trade Secret | No data | | | |

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| | | | | |
|--|-----------|--|--|--|
| | available | | | |
|--|-----------|--|--|--|

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 sulfate | EC50 | Daphnia magna (Water flea) | 650 mg/l | 96 h |
| Sodium percarbonate peroxyhydrate | semi-static test EC50 Measured | daphnia pulex | 4.9 mg/l | 48 h |
| Sodium silicate | static test EC50 | Daphnia magna (Water flea) | 1,700 mg/l | 48 h |
| Titanium Dioxide | EC50 | Daphnia magna (Water flea) | > 500 mg/l | 48 h |
| | NOEC | Daphnia magna | > 2.92 mg/l | 21 d |
| Subtilisins (proteolytic enzymes) | semi-static EC50 | Daphnia magna (Water flea) | 0.170 mg/l | 48 h |

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| | | | | |
|--------------------------|---|---------------|------------|------|
| | Measured OECD Test Guideline 202 flow- through test NOEC Measured OECD Guideline 211 (Daphnia magna Reproduct ion Test) | Daphnia magna | 0.324 mg/l | 21 d |
| Fragrance - Trade Secret | No data available | | | |

Toxicity to aquatic plants

| Components | End point | Species | Value | Exposure time |
|--------------------------------------|----------------------|--|-------------------------|------------------|
| Sodium carbonate | No data available | | | |
| Sodium sulfate | No data available | | | |
| Sodium percarbonate peroxyhydrate | No data available | | | |
| Sodium silicate | EC50 | Desmodesmus subspicatus (green algae) | > 345.4 mg/l | 72 h |
| Titanium Dioxide | static test EC50 | Pseudokirchneriella subcapitata | 61 mg/l | 72 h |
| Subtilisins (proteolytic enzymes) | ErC50 Measured | Pseudokirchneriella subcapitata (green algae) | 0.83 mg/l 0.317 mg/l | 72 h 72 h |

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| | | | | |
|--------------------------|--|--|--|--|
| | OECD Test Guideline 201 NOEC Measured OECD Test Guideline 201 | Pseudokirchneriella subcapitata (green algae) | | |
| Fragrance - Trade Secret | No data available | | | |

Persistence and degradability

| Component | Biodegradation | Exposure time | Summary |
|--------------------------------------|-------------------|------------------|------------------------|
| Sodium carbonate | No data available | | |
| Sodium sulfate | No data available | | |
| Sodium percarbonate peroxyhydrate | No data available | | |
| Sodium silicate | No data available | | |
| Titanium Dioxide | No data available | | |
| Subtilisins (proteolytic enzymes) | 100 % | 29 d | Readily biodegradable. |
| Fragrance - Trade Secret | No data available | | |

Bioaccumulative potential

| Component | Bioconcentration factor (BCF) | Partition Coefficient n- Octanol/water (log) |
|--------------------------------------|----------------------------------|---|
| Sodium carbonate | No data available | No data available |
| Sodium sulfate | No data available | -4.38 |
| Sodium percarbonate peroxyhydrate | No data available | No data available |
| Sodium silicate | No data available | No data available |
| Titanium Dioxide | No data available | No data available |

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| | | |
|-----------------------------------|-------------------|-------------------|
| Subtilisins (proteolytic enzymes) | No data available | -3.1 Measured |
| Fragrance - Trade Secret | No data available | No data available |

Mobility

| Component | End point | Value |
|-----------------------------------|-------------------|-------|
| Sodium carbonate | No data available | |
| Sodium sulfate | No data available | |
| Sodium percarbonate peroxyhydrate | No data available | |
| Sodium silicate | No data available | |
| Titanium Dioxide | No data available | |
| Subtilisins (proteolytic enzymes) | No data available | |
| Fragrance - Trade Secret | No data available | |

PBT and vPvB assessment

| Component | Results |
|-----------------------------------|--------------------------------------|
| Sodium carbonate | Not fulfilling PBT and vPvB criteria |
| Sodium sulfate | Not fulfilling PBT and vPvB criteria |
| Sodium percarbonate peroxyhydrate | Not fulfilling PBT and vPvB criteria |
| Sodium silicate | Not fulfilling PBT and vPvB criteria |
| Titanium Dioxide | Not fulfilling PBT and vPvB criteria |
| Subtilisins (proteolytic enzymes) | Not fulfilling PBT and vPvB criteria |
| Fragrance - Trade Secret | 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 | 3 |
| Flammability | 0 |
| Reactivity | 0 |

NFPA Ratings

| | |
|------------|---|
| Health | 3 |
| 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) |
|-------------|---|