

SAFETY DATA SHEET

Morning Fresh Manual Dishwash Liquid - Lemon Fresh

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier**
Morning Fresh Manual Dishwash Liquid - Lemon Fresh
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Dish washing
- 1.3 Details of the supplier of the safety data sheet**
PZ Cussons (UK) Ltd,
Manchester Business Park,
3500 Aviator Way,
Manchester, M22 5TG
Tel: +44 (0)161 435 1000 (Office Hours), +44 (0) 800 581001 (24 hour voicemail)
Email: pzweb.general@pzcussons.com
- 1.4 Emergency telephone number**
Tel: +44 (0)161 435 1000 (Office Hours), +44 (0) 800 581001 (24 hour voicemail)

SECTION 2: Hazards Identification

- 2.1 Classification of the substance or mixture**
This product is not considered to be hazardous based upon consideration of the components.
Classification in accordance with the Dangerous Preparations Directive 1999/45/EC
Not classified as hazardous
Classification in accordance with the CLP Regulation (EC) No 1272/2008
Not classified as hazardous
- 2.2 Label elements**
Labelling in accordance with the Dangerous Preparations Directive 1999/45/EC
No label required.
Labelling in accordance with the CLP Regulation (EC) No 1272/2008
No label required.
- 2.3 Other hazards**
There are no known long-term health effects resulting from exposure.
All components are biodegradable and not expected to present a hazard to the environment.

SECTION 3: Composition**3.1 Substances**

Not applicable, product is a mixture.

3.2 Mixtures

An aqueous solution of anionic and amphoteric surfactants with preservative, fragrance and colouring agent. This product contains the following hazardous components:

| Name | CAS No | Concentration | Classification |
|------------------------|------------|---------------|---|
| Sodium Laureth Sulfate | 68891-38-3 | 10-15% | Skin Irrit. 2 H315, Eye Dam. 1 H318 Aquatic Chronic 3 H412 |
| | | | Xi; R38, R41, N; R52/53 |
| Cocamidopropyl Betaine | 61789-40-0 | 1-5% | Skin Irrit. 2 H315, Eye Irrit. 2 H319 |
| | | | Xi; R36/38 |

See section 16 for full description of R phrases and H statements.

SECTION 4: First Aid Measures**4.1 Description of first aid measures**

EYE CONTACT: Wash thoroughly with water for several minutes whilst holding the eyelids open. Seek medical attention.

INHALATION: Remove from exposure. If breathing becomes difficult call a doctor.

SKIN CONTACT: Wash off with plenty of water. Seek medical attention if irritation or discomfort occurs.

INGESTION: If swallowed, rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

EYE CONTACT: Redness, tears, stinging

INHALATION: Runny nose, cough, sore throat

SKIN CONTACT: Redness, irritation, stinging. Prolonged contact or repeated exposure may cause dryness and cracking of skin.

INGESTION: Sore mouth and throat, nausea, vomiting.

4.3 Indication of any immediate medical attention and special treatments needed

Symptomatic treatment as required.

SECTION 5: Firefighting Measures**5.1 Extinguishing media**

Not flammable. Not known to react with any extinguishing material. Use extinguisher appropriate to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

If involved in a fire, may release fumes of sulphur oxides.

5.3 Advice for fire fighters

Fire fighters should wear protective clothing and breathing apparatus as appropriate.

SECTION 6: Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective clothing including overall, gloves and eye protection to prevent skin and eye contact. Open doors and windows to ensure good ventilation. Spillage area may be very slippery.

6.2 Environmental precautions

Prevent entry into sewers and watercourses.

6.3 Methods and materials for containment and clearing up

Small spills (<1 litre) may be absorbed with paper towels.

Large spills (> 1 litre) should be covered with a suitable absorbent, e.g. sand, earth or spill granules and collected for disposal. Label containers for disposal.

Wash spill area thoroughly to remove residues.

6.4 References to other sections

See section 8 and 13 for further advice.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Avoid contact with eyes and prolonged contact with skin.

7.2 Conditions for safe storage, including any incompatibilities

Store in its original labelled container in a cool, well ventilated area. Avoid low temperatures. Not to be stored next to foodstuffs and water supplies. Keep out of reach of children and animals.

7.3 Specific end uses(s)

No special precautions.

SECTION 8. Exposure Controls/Personal Protection

8.1 Control parameters

No specific control limits available.

8.2 Exposure controls

Normal chemical handling procedures should be observed. Do not eat, drink or smoke when handling this product. Wash thoroughly after handling, Ensure adequate ventilation.

Respiratory protection

Not usually required. Use in well ventilated areas and avoid formation of spray or aerosols.

Hand Protection

If prolonged contact with undiluted product is likely wear suitable gloves recommended for use with surfactants. Nitrile, neoprene and rubber may be suitable but glove manufacturer recommendations should always be checked. Change gloves in accordance with manufacturer recommendations. If gloves are damaged during use, remove immediately and wash hands before replacing with new gloves.

Eye protection

Safety glasses or goggles recommended if handling significant quantities of undiluted product.

Skin protection

Coveralls recommended. These should be changed after use or if contaminated. Wash before re-use.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|---|---------------------------------|
| Appearance: | Slightly viscous, yellow liquid |
| Odour: | Lemon odour |
| Odour threshold: | No data |
| pH: | 4.3 – 4.7 |
| Melting point: | No data |
| Boiling point: | Similar to water |
| Flashpoint: | Not flammable |
| Evaporation rate: | Similar to water |
| Flammability (solids, gas): | Not applicable |
| Upper/lower flammability limits: | Not flammable |
| Vapour pressure: | Similar to water |
| Vapour density | No data |

| | |
|--|--------------------------------|
| Relative density | No data |
| Solubility in water: | Completely soluble |
| Solubility in other solvents: | No data |
| Partition coefficient (log Kow) | -No data |
| Autoignition temperature | No data |
| Decomposition temperature | No data |
| Viscosity | 1,500cP at 20°C |
| Explosive properties | Not considered to be explosive |
| Oxidising properties | Not considered to be oxidising |

9.2 Other information

None

SECTION 10: Stability and Reactivity**10.1 Reactivity**

Not considered to be reactive.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None expected.

10.4 Conditions to avoid

Avoid exposure to high and freezing temperatures.

10.5 Incompatible materials

Avoid contact with strong oxidisers.

10.6 Hazardous decomposition products

May release fumes of sulfur oxides if heated to decomposition.

SECTION 11: Toxicological Information**11.1 Information on toxicological effects**

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

| | |
|---|---|
| (a) acute toxicity | This product is not considered to be acutely toxic. |
| (b) skin corrosion/irritation | May be mildly irritating to the skin, based on consideration of its components, especially on prolonged or repeated exposure. |
| (c) serious eye damage/irritation | May be mildly irritating to the eye, based on consideration of its components. |
| (d) respiratory/skin sensitisation | Contains no respiratory or skin sensitisers above thresholds of concern. |
| (e) germ cell mutagenicity | None of the components have been identified as germ cell mutagens. |
| (f) carcinogenicity | None of the components have been identified as carcinogens. |
| (g) reproductive toxicity | None of the components have been identified as reproductive toxins. |
| (h) STOT-single exposure | None of the components have been identified as presenting a systemic target organ hazard. |
| (i) STOT-repeated exposure | None of the components have been identified as presenting a systemic target organ hazard. |
| (j) aspiration hazard | Not considered to present an aspiration hazard. |

SECTION 12: Ecological Information

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

12.1 Toxicity

Not expected to be toxic in the environment. Significant releases may cause short term effects due to the pH of the product, however this will be rapidly lost upon dilution

12.2 Persistence and degradability

The organic components are expected to biodegrade in the environment.

12.3 Bioaccumulative potential

None of the components are considered to be bioaccumulative.

12.4 Mobility in soil

All components are water soluble and are expected to partition in the aqueous compartment.

12.5 Results of PBT and vPvB assessment

None of the components are known to be PBT or vPvB.

12.6 Other adverse effects

None known.

SECTION 13: Disposal Considerations**13.1 Waste treatment methods**

Recover and recycle unused product if possible. If recovery and recycling are not possible incinerate or dispose of in accordance with local regulations. Do not mix with other waste materials.

SECTION 14: Transport Information

This product is not classified as dangerous for transport.

| | | |
|------|--|-------------------------|
| 14.1 | UN Number | Not applicable |
| 14.2 | UN Proper shipping name | Not applicable |
| 14.3 | Transport hazard class(es) | Not applicable |
| 14.4 | Packing group | Not applicable |
| 14.5 | Environmental hazards | Not applicable |
| 14.6 | Special precautions for user | None |
| 14.7 | Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not transported in bulk |

SECTION 15: Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

All components are listed as existing substances in Europe.

Detergents Regulation: Contains 5-15% Anionic surfactant and less than 5% amphoteric surfactant, perfumes (citronellol, citral, limonene), preservative (sodium benzoate)

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other Information

Revision information:

Review of SDS – no major changes

List of Abbreviations used in this SDS:

CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008
DSD Dangerous Substances Directive 67/548/EEC
DPD Dangerous Preparations Directive 1999/45/EC
EC European Community/Commission
PBT Persistent, Bioaccumulative and Toxic
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006
vPvB very Persistent, very Bioaccumulative

References:

Suppliers Safety Data Sheets
ECHA CHEM and ESIS databases
Human & Environmental Risk Assessment on ingredients of European household cleaning products

Method used for classification of mixtures:

Expert judgement

R Phrases and H Statements used in Section 3

| | |
|--------|--|
| R36 | Irritating to eyes. |
| R36/38 | Irritating to eyes and skin |
| R38 | Irritating to skin |
| R41 | Risk of serious damage to eyes |
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation. |
| H412 | Harmful to aquatic life with long lasting effects |

Training requirements for workers

No special training requirements.