

SAFETY DATA SHEET

Morning Fresh Manual Dish Wash Liquid – Meadow 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 Dish Wash Liquid – Meadow Fresh
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Hand dish washing liquid
- 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**
Eye Irritant Category 2 H319 Causes serious eye irritation
- 2.2 Label elements**



WARNING

H319 Causes serious eye irritation

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

Additional labelling required by the Detergents Regulation:

Contains

5-15% anionic surfactants

Less than 5% amphoteric surfactants

Perfume (Citronellol, Hexyl cinnamal and Butyl methylpropional)

Preservative (sodium benzoate)

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.
None of the components are known to be PBT, vPvB or endocrine disrupting substances.

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 above thresholds of concern:

Name	CAS No EC No REACH Reg. No.	Conc. % w/w	Classification
C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO)	68891-38-3 500-234-8 01-2119488639-16	10- <20%	Skin Irrit. 2 H315 Eye Dam. 1 H318 Chronic Aquatic 3 H412 SCLs Eye Dam. 1 ≥ 10% Eye Irrit. 2 ≥ 5% < 10%
1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, NC18-18 (even numbered) acyl derivs., hydroxides, inner salts	931-296-8 01-2119488533-30-0001	1-<5%	Eye Dam. 1 H318 Chronic Aquatic 3 H412 SCLs Eye Dam. 1 > 10% Eye Irrit. 2 > 4% ≤ 10%

See section 16 for full description of 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: Prolonged contact or repeated exposure may cause dryness, redness 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.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO)

DNELS	
	Worker
	Long term systemic effects
Human dermal	2750 mg/kg bw/day
Human inhalation	175 mg/m ³

PNEC	
PNEC freshwater	0.240 mg/l
PNEC marine water	0.024 mg/l
PNEC intermittent release	0.071 mg/l
PNEC sediment (freshwater):	0.9168 mg/kg dwt
PNEC sediment (marine water):	0.09168 mg/kg dwt

PNEC soil	7.5 mg/kg dwt
PNEC STP	10000 mg/l

1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, NC18-18 (even numbered) acyl derivs., hydroxides, inner salts

DNELS	
	Worker
	Long term systemic effects
Human dermal	12.5 mg/kg bw/day
Human inhalation	44 mg/m ³

PNEC	
PNEC freshwater	0.0135 mg/l
PNEC marine water)	0.00135 mg/l
PNEC sediment (freshwater)	1 mg/kg dwt
PNEC sediment (marine water)	0.1 mg/kg dwt
PNEC soil	0.8 mg/kg dwt
PNEC STP	3000 mg/l

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.

Environmental exposure controls

Normal chemical handling procedures should be observed. Do not allow uncontrolled release into drains or the environment.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a)	Physical state	Slightly viscous liquid
b)	Colour	Purple
c)	Odour	Pleasant odour
d)	Melting point/freezing point	Not determined
e)	Boiling point or initial boiling point and boiling range	Not determined

f)	Flammability	Not combustible
g)	Lower and upper explosion limit	Not applicable
h)	Flash point	Not flammable
i)	Auto-ignition temperature	Not determined
j)	Decomposition temperature	Not determined
k)	pH	4.7
l)	Kinematic viscosity	2500 cPs
m)	Solubility	Miscible in water
n)	Partition coefficient n-octanol/water (log value)	Not applicable
o)	Vapour pressure	Similar to water
p)	Density and/or relative density	1.030 at 20°C
q)	Relative vapour density	Not determined
r)	Particle characteristics	Not applicable – liquid product

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 hazard classes as defined in Regulation (EC) No 1272/2008**

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	<p>Based on available data, the classification criteria are not met. This product is not considered to be acutely toxic.</p> <p><i>1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, NC18-18 (even numbered) acyl derivs., hydroxides, inner salts</i> LD50 : > 5.000 mg/kg – oral, rat</p> <p><i>Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO)</i> LD50 : > 5.000 mg/kg – oral, rat (OECD Guideline 401)</p>
(b) skin corrosion/irritation	<p>Based on available data, the classification criteria are not met. May be mildly irritating to the skin, based on consideration of its components, especially on prolonged or repeated exposure.</p>

	<p><i>1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, NC18-18 (even numbered) acyl derivs., hydroxides, inner salts</i> Skin corrosion/irritation rabbit: Not Irritant. (OECD Guideline 404)</p> <p><i>Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO)</i> Skin corrosion/irritation rabbit: Irritant. (OECD Guideline 404)</p>
(c) serious eye damage/irritation	<p>May be irritating to the eye, based on consideration of its components.</p> <p><i>1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, NC18-18 (even numbered) acyl derivs., hydroxides, inner salts</i> Serious eye damage/irritation rabbit: irreversible damage (OECD Guideline 405)</p> <p><i>Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO)</i> Serious eye damage/irritation rabbit: irreversible damage (OECD Guideline 405)</p>
(d) respiratory/skin sensitisation	Based on available data, the classification criteria are not met. Contains no respiratory or skin sensitisers above thresholds of concern.
(e) germ cell mutagenicity	Based on available data, the classification criteria are not met. None of the components have been identified as germ cell mutagens.
(f) carcinogenicity	Based on available data, the classification criteria are not met. None of the components have been identified as carcinogens.
(g) reproductive toxicity	Based on available data, the classification criteria are not met. None of the components have been identified as reproductive toxins.
(h) STOT-single exposure	Based on available data, the classification criteria are not met. None of the components have been identified as presenting a systemic target organ hazard.
(i) STOT-repeated exposure	Based on available data, the classification criteria are not met. None of the components have been identified as presenting a systemic target organ hazard.
(j) aspiration hazard	Based on available data, the classification criteria are not met. Not considered to present an aspiration hazard.

11.2 Information on other hazards

No additional hazards identified

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.

1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, NC18-18 (even numbered) acyl derivs., hydroxides, inner salts

LC50 - 96 h : 1,11 mg/l - Pimephales promelas (fathead minnow) (OECD Guideline 203)

EC50 - 48 h : 1,9 mg/l - Daphnia magna (Water flea) (OECD Test Guideline 202)

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO)

LC50 > 10 - 100 mg/l, Leuciscus idus (Screening (style of OECD 203))

EC50 > 10 - 100 mg/l, Daphnia magna (OECD Guideline 202, part 1)

EC50 > 10 - 100 mg/l, Scenedesmus subspicatus (OECD Guideline 201)

12.2 Persistence and degradability

The organic components are expected to biodegrade in the environment. The surfactants are readily biodegradable.

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 Endocrine disrupting properties

None of the components are known to be endocrine disrupting substances.

12.7 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.

	ADR	IMDG	ICAO
14.1 UN Number	None	None	None
14.2 UN Proper shipping name	None	None	None
14.3 Transport hazard class(es)	None	None	None
14.4 Packing group	None	None	None
14.5 Environmental hazards	None	None	None
14.6 Special precautions for user	None	None	None
14.7 Maritime transport in bulk according to IMO instruments	Not applicable	Not transported in bulk	Not applicable

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.

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. Chemical Safety Assessments have been carried out for the registered components.

SECTION 16: Other Information

Revision information:

Product classification in section 2 updates, ingredient information in section 3.2 updated, reformatted in accordance with Regulation (EU) 2020/878.

List of Abbreviations used in this SDS:

CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008
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

H Statements used in Section 3

H315 Causes skin irritation
H318 Causes serious eye damage
H412 Harmful to aquatic life with long lasting effects

Training requirements for workers

No special training requirements.