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

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>: Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade name</td>
<td>: Gentle Hand Wash</td>
</tr>
<tr>
<td>Product code</td>
<td>: WP 1834</td>
</tr>
<tr>
<td>Type of product</td>
<td>: Aqueous solution including surfactants</td>
</tr>
<tr>
<td>Product group</td>
<td>: Blend</td>
</tr>
</tbody>
</table>

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Hand Cleaner

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Wessex Chemical Factors Ltd
9 Crane Way, Woolsbridge Industrial Park,
Three Legged Cross, Wimborne, Dorset
BH21 6FA - United Kingdom
T +44 (0) 1202 823 699 - F +44 (0) 1202 813 863
www.wessexchemicalfactors.co.uk

E-mail address of competent person responsible for the SDS : info@wessexchemicalfactors.co.uk

1.4. Emergency telephone number

Emergency number : +44 (0) 1202 823 699 (Office hours only 9am - 5pm Monday - Thursday, 9am - 4pm Friday.)
+44 (0) 7973629367 (Out of hours emergency number)

**SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH208 - Contains reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-\(\text{C} \leq 10\)\%< C\%> and 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1)(55965-64-9). May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

2.3. Other hazards

No additional information available

**SECTION 3: Composition/information on ingredients**

3.1. Substances

Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>sulphuric acid, mono-C12-14-alkyl esters, sodium salts</td>
<td>(CAS-No.) 85586-07-8 (EC-No.) 287-809-4 (REACH-no) 01-2119489463-28</td>
<td>3 - 10</td>
<td>Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>disodium laureth sulfosuccinate</td>
<td>(CAS-No.) 39354-45-5 (EC-No.) 609-656-8</td>
<td>1 - 10</td>
<td>Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts 4 % &lt; C ≤ 10 %</td>
<td>(CAS-No.) 97862-59-4 (EC-No.) 931-296-8</td>
<td>0.1 - 3</td>
<td>Eye Irrit. 2, H319 Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>Substance</td>
<td>EC-No.</td>
<td>REACH-no</td>
<td>Concentration</td>
</tr>
<tr>
<td>--------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------</td>
<td>----------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Amides, C8-18 (even-numbered) and C18 (unsaturated), N,N-bis (hydroxyethyl)</td>
<td>(EC-No.) 931-329-6 (REACH-no) 01-2119490100-53</td>
<td>0.1 - 1</td>
<td>Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Cellulose, 2-hydroxyethyl ether</td>
<td>(CAS-No.) 9004-62-0 (EC-No.) 618-387-5</td>
<td>0.1 - 1</td>
<td>Not classified</td>
</tr>
<tr>
<td>L-(-)-lactic acid</td>
<td>(CAS-No.) 79-33-4 (EC-No.) 201-196-2</td>
<td>0.1 - 1</td>
<td>Skin Irrit. 2, H315 Eye Dam. 1, H318</td>
</tr>
<tr>
<td>2-tert-butylocyclohexyl acetate</td>
<td>(CAS-No.) 88-41-5 (EC-No.) 201-828-7</td>
<td>&lt; 1</td>
<td>Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>reaction mass of (2S)-alanine, N,N-bis (carboxymethyl)-, trisodium salt and (2R)-alanine, N,N-bis (carboxymethyl)-, trisodium salt</td>
<td>(EC-No.) 423-270-5 (REACH-no) 01-0000016977-53</td>
<td>0.1 - 1</td>
<td>Met. Corr. 1, H290</td>
</tr>
<tr>
<td>Glycerol</td>
<td>(CAS-No.) 56-81-5 (EC-No.) 200-289-5</td>
<td>&lt; 0.1</td>
<td>Not classified</td>
</tr>
<tr>
<td>2,2'-iminodiethanol, diethanolamine</td>
<td>(CAS-No.) 111-42-2 (EC Index-No.) 603-071-00-1 (REACH-no) 01-2119488930-28</td>
<td>&lt; 0.1</td>
<td>Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 Aquatic Acute 1, H400 Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>Allyl heptanoate</td>
<td>(CAS-No.) 142-19-8 (EC-No.) 205-527-1</td>
<td>&lt; 0.1</td>
<td>Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 Aquatic Acute 1, H400 Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-indenyl propionate</td>
<td>(CAS-No.) 68912-13-0 (EC-No.) 272-805-7</td>
<td>&lt; 0.1</td>
<td>Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>undecan-4-olide</td>
<td>(CAS-No.) 104-67-6 (EC-No.) 203-225-4</td>
<td>&lt; 0.1</td>
<td>Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>benzyl acetate</td>
<td>(CAS-No.) 140-11-4 (EC-No.) 205-399-7</td>
<td>&lt; 0.1</td>
<td>Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>2,6-dimethylcyclohexan-7-ene-1-carbaldehyde</td>
<td>(CAS-No.) 18479-58-8 (EC-No.) 242-382-4</td>
<td>&lt; 0.1</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>Ethyl 2-naphthyl ether</td>
<td>(CAS-No.) 93-18-5 (EC-No.) 202-226-7</td>
<td>&lt; 0.1</td>
<td>Eye Irrit. 2, H319 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>2,4-dimethylcyclohexan-3-ene-1-carbaldehyde</td>
<td>(CAS-No.) 60039-49-6 (EC-No.) 268-264-1</td>
<td>&lt; 0.1</td>
<td>Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Allyl 3-cyclohexylpropionate</td>
<td>(CAS-No.) 2705-87-5 (EC-No.) 220-292-5</td>
<td>&lt; 0.1</td>
<td>Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one</td>
<td>(CAS-No.) 57378-68-4 (EC-No.) 260-709-8</td>
<td>&lt; 0.1</td>
<td>Acute Tox. 4 (Oral), H302 Skin Irr. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>trans-hex-2-en-1-ol</td>
<td>(CAS-No.) 928-95-0 (EC-No.) 213-192-2</td>
<td>&lt; 0.1</td>
<td>Flam. Liq. 3, H226 Eye Irrit. 2, H319 Skin Sens. 1B, H317</td>
</tr>
<tr>
<td>reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3-one [EC no. 247-500-7]and 2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3-one [EC no. 247-500-7]and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)</td>
<td>(EC Index-No.) 613-167-00-5</td>
<td>&lt; 0.1</td>
<td>Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
</tr>
</tbody>
</table>
Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures after inhalation:
- Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact:
- Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
- Rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention.
- Rinse mouth out with water. Do not induce vomiting. On ingestion in large quantities: Get medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/effects after eye contact:
- May cause slight temporary irritation.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media:

5.2. Special hazards arising from the substance or mixture
Hazardous decomposition products in case of fire:
- Toxic fumes may be released.

5.3. Advice for firefighters
Protection during firefighting:
- Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Emergency procedures:
- Ventilate spillage area.

6.1.2. For emergency responders
Protective equipment:
- Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up:
- Small quantities of liquid spill: mix with water. Wash down with an excess of water. In case of large spillages: Take up liquid spill into absorbent material, e.g.: sand. Shovel or sweep up and put in a closed container for disposal.

Other information:
- Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling:
- Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures:
- Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions:
- Store in a well-ventilated place. Keep cool.
7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>United Kingdom</th>
<th>Local name</th>
<th>Glycerol</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WEL TWA (mg/m³)</td>
<td>10 mg/m³ mist</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Hand protection:
In case of repeated or prolonged contact wear gloves

Eye protection:
No special eye protection equipment recommended under normal conditions of use. Eye protection should only be necessary where hot liquid could be splashed or sprayed

Respiratory protection:
No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Colour: No data available
Odour: Odour relevant to fragrance.
Odour threshold: No data available
pH: No data available
pH solution: 5.4
Relative evaporation rate (butylacetate=1): No data available
Melting point: Not applicable
Freezing point: No data available
Boiling point: No data available
Flash point: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): Not applicable
Vapour pressure: No data available
Relative vapour density at 20 °C: No data available
Relative density: No data available
Density: 1.02 g/cm³
Solubility: No data available
Log Pow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| Acute toxicity (oral)          | Not classified |
| Acute toxicity (dermal)       | Not classified |
| Acute toxicity (inhalation)   | Not classified |

1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts 4 % < C ≤ 10 % (97862-59-4)

LD50 oral rat | > 4900 mg/kg

Allyl heptanoate (142-19-8)

LD50 oral rat | 218 mg/kg bodyweight
LD50 dermal rabbit | 810 mg/kg bodyweight

reaction mass of (2S)-alanine, N,N-bis(carboxymethyl)-, trisodium salt and (2R)-alanine, N,N-bis(carboxymethyl)-, trisodium salt

LD50 oral rat | > 4000 mg/kg
LD50 dermal rat | > 4000 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h) | > 5 mg/l/4h

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1) (55965-84-9)

LC50 inhalation rat (Dust/Mist - mg/l/4h) | 0.31 mg/l/4h

2,2’-iminoxydienethanol; diethanolamine (111-42-2)

LD50 oral rat | 1820 mg/kg bodyweight

Amides,C8-18(even-numbered) and C18(unsatd.), N,N-bis(hydroxyethyl)

LD50 oral rat | > 5000 mg/kg
LD50 dermal rat | > 2000 mg/kg

Glycerol (56-81-5)

LD50 oral rat | 12600 mg/kg
LD50 dermal | 45 ml/kg (In guinea pigs)

sulphuric acid, mono-C12-14-alkyl esters, sodium salts (85586-07-8)

LD50 oral rat | ~ 1800 mg/kg bodyweight
LD50 dermal rat | > 2000 mg/kg bodyweight

Skin corrosion/irritation : Not classified.
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity: Not classified
Chronic aquatic toxicity: Not classified

1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl- N-C8-18(even numbered) acyl derivs., hydroxides, inner salts 4 % < C ≤ 10 % (97862-59-4)
- LC50 fish 1: 1.11 mg/l
- EC50 Daphnia 1: 7
- EC50 72h algae (1): 2.4 mg/l
- NOEC chronic fish: 0.16 mg/l

Allyl heptanoate (142-19-8)
- LC50 fish 1: 0.117 mg/l
- EC50 Daphnia 1: 0.89 mg/l
- ErC50 (algae): > 4.6 mg/l
- NOEC chronic crustacea: 0.158 mg/l

Undecan-4-olide (104-67-6)
- LC50 fish 1: 5.5 mg/l
- EC50 Daphnia 1: 3.6 mg/l
- EC50 96h algae (1): 24.5 mg/l
- ErC50 (algae): 5.94 mg/l
- NOEC chronic algae: 0.779 mg/l

Reaction mass of (2S)-alanine, N,N-bis(carboxymethyl)-, trisodium salt and (2R)-alanine, N,N-bis(carboxymethyl)-, trisodium salt
- LC50 fish 1: > 200 mg/l (Zebrafish)
- EC50 Daphnia 1: > 200 mg/l
- EC50 72h algae (1): > 200 mg/l
- NOEC chronic fish: >= 200 mg/l (28 d, Rainbow trout)
- NOEC chronic crustacea: >= 200 mg/l (21 d)

Copper dinitrate (3251-23-8)
- LC50 fish 1: 810 μg/l Common carp (Cyprinus carpio)
- EC50 Daphnia 1: 33.8 - 792 μg/l
- NOEC chronic algae: 0.022 mg/l

Reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1) (55965-84-9)
- LC50 fish 1: 0.19 mg/l Rainbow trout (Oncorhynchus mykiss)
- EC50 Daphnia 1: 1.02 mg/l
### 2,2’-iminodiethanol; diethanolamine (111-42-2)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>460 - 5000 mg/l</td>
<td></td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>55 mg/l</td>
<td></td>
</tr>
<tr>
<td>ErC50 (algae)</td>
<td>9.5 mg/l</td>
<td></td>
</tr>
<tr>
<td>NOEC chronic crustacea</td>
<td>0.78 mg/l</td>
<td></td>
</tr>
</tbody>
</table>

### Amides, C8-18(even-numbered) and C18(unsatd.), N,N-bis(hydroxyethyl)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>2.4 mg/l Rainbow trout (Oncorhynchus mykiss)</td>
<td></td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>4.9 mg/l Zebrafish (Danio rerio)</td>
<td></td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>3.2 mg/l</td>
<td></td>
</tr>
<tr>
<td>NOEC chronic fish</td>
<td>1 mg/l</td>
<td></td>
</tr>
<tr>
<td>NOEC chronic crustacea</td>
<td>0.07 mg/l</td>
<td></td>
</tr>
</tbody>
</table>

### Glycerol (56-81-5)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>54000 mg/l Rainbow trout (Oncorhynchus mykiss)</td>
<td></td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>1955 mg/l</td>
<td></td>
</tr>
</tbody>
</table>

### Sulphuric acid, mono-C12-14-alkyl esters, sodium salts (85586-07-8)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Value</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50, fish, Oncorhynchus mykiss</td>
<td>3.6 mg/l (96 Hours, (OECD 203 method))</td>
<td></td>
</tr>
<tr>
<td>EC50, daphnia, Daphnia magna</td>
<td>4.7 mg/l (48 Hours)</td>
<td></td>
</tr>
<tr>
<td>ErC50, algae, Desmodesmus subspicatus</td>
<td>&gt; 20 mg/l (72 Hours)</td>
<td></td>
</tr>
<tr>
<td>NOEC, fish, long term, Pimephales promelas</td>
<td>&lt; 1.357 mg/l (42 days)</td>
<td></td>
</tr>
<tr>
<td>NOEC, long term, Ceriodaphnia dubia</td>
<td>&lt; 0.508 mg/l (7 days)</td>
<td></td>
</tr>
</tbody>
</table>

### 12.2. Persistence and degradability

#### 1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts 4 % < C ≤ 10 % (97862-59-4)

<table>
<thead>
<tr>
<th>Persistence and degradability</th>
<th>Readily biodegradable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biodegradation</td>
<td>&gt; 60 % (28 days)</td>
</tr>
</tbody>
</table>

### Reaction mass of (2S)-alanine, N,N-bis(carboxymethyl)-, trisodium salt and (2R)-alanine, N,N-bis(carboxymethyl)-, trisodium salt

<table>
<thead>
<tr>
<th>Persistence and degradability</th>
<th>Readily biodegradable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOD (% of ThOD)</td>
<td>80 - 90 % ThOD</td>
</tr>
</tbody>
</table>

### Reaction mass of 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1) (55966-84-9)

| Persistence and degradability | Not readily biodegradable. |

### 2,2’-iminodiethanol; diethanolamine (111-42-2)

| Persistence and degradability | Readily biodegradable. |

### Amides, C8-18(even-numbered) and C18(unsatd.), N,N-bis(hydroxyethyl)

| Persistence and degradability | Readily biodegradable. |
Glycerol (56-81-5)
Persistence and degradability
Readily biodegradable.

sulphuric acid, mono-C12-14-alkyl esters, sodium salts (85586-07-8)
Persistence and degradability
Readily biodegradable.

12.3. Bioaccumulative potential
reaction mass of (2S)-alanine, N,N-bis(carboxymethyl)-, trisodium salt and (2R)-alanine, N,N-bis(carboxymethyl)-, trisodium salt
Log Pow
-4
Bioaccumulative potential
Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

2,2'-iminodiethanol; diethanolamine (111-42-2)
Bioaccumulative potential
Not established.

Amides,C8-18(even-numbered) and C18(unsatd.), N,N-bis(hydroxyethyl)
Log Pow
3.75
Bioaccumulative potential
Not established.

Glycerol (56-81-5)
Log Kow
-1.75
Bioaccumulative potential
Not established.

sulphuric acid, mono-C12-14-alkyl esters, sodium salts (85586-07-8)
Log Kow
<= -2.42
Bioaccumulative potential
Bioaccumulation unlikely.

12.4. Mobility in soil
reaction mass of (2S)-alanine, N,N-bis(carboxymethyl)-, trisodium salt and (2R)-alanine, N,N-bis(carboxymethyl)-, trisodium salt
Surface tension
71.5 mN/m @ 1g/L

12.5. Results of PBT and vPvB assessment
Component
reaction mass of (2S)-alanine, N,N-bis(carboxymethyl)-, trisodium salt and (2R)-alanine, N,N-bis(carboxymethyl)-, trisodium salt ()
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Amides,C8-18(even-numbered) and C18(unsatd.), N,N-bis(hydroxyethyl) ()
PBT: not relevant – no registration required
sulphuric acid, mono-C12-14-alkyl esters, sodium salts (85586-07-8)
PBT: not relevant – no registration required
1-propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-C8-18(even numbered) acyl derivs., hydroxides, inner salts 4 % < C ≤ 10 % (97862-59-4)
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects
No additional information available

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Waste treatment methods
Dispose of contents/container in accordance with licensed collector’s sorting instructions.

SECTION 14: Transport information
In accordance with ADR / RID / IMDG / IATA / ADN
14.1. UN number
UN-No. (ADR)
Not applicable
Gentle Hand Wash
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

14.2. UN proper shipping name
Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)
ADR
Transport hazard class(es) (ADR) : Not applicable
IMDG
Transport hazard class(es) (IMDG) : Not applicable
IATA
Transport hazard class(es) (IATA) : Not applicable
ADN
Transport hazard class(es) (ADN) : Not applicable
RID
Transport hazard class(es) (RID) : Not applicable

14.4. Packing group
Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards
Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user
Overland transport
Not applicable
Transport by sea
Not applicable
Air transport
Not applicable
Inland waterway transport
Not applicable
Rail transport
Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

10/29/2018 (Version: 1.0)
EN (English)
9/11
11/8/2018 (Version: 1.2)
### SECTION 16: Other information

<table>
<thead>
<tr>
<th>Full text of H- and EUH-statements:</th>
<th>Acute toxicity (inhalation:dust,mist) Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 2 (Inhalation:dust,mist)</td>
<td>Acute toxicity (dermal), Category 3</td>
</tr>
<tr>
<td>Acute Tox. 3 (Dermal)</td>
<td>Acute toxicity (inhalation:dust,mist) Category 3</td>
</tr>
<tr>
<td>Acute Tox. 3 (Oral)</td>
<td>Acute toxicity (oral), Category 3</td>
</tr>
<tr>
<td>Acute Tox. 4 (Dermal)</td>
<td>Acute toxicity (dermal), Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Inhalation:dust,mist)</td>
<td>Acute toxicity (inhalation:dust,mist) Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral), Category 4</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 2</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 3</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation, Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 3</td>
<td>Flammable liquids, Category 3</td>
</tr>
<tr>
<td>Met. Corr. 1</td>
<td>Corrosive to metals, Category 1</td>
</tr>
<tr>
<td>Ox. Sol. 3</td>
<td>Oxidising Solids, Category 3</td>
</tr>
<tr>
<td>Skin Corr. 1B</td>
<td>Skin corrosion/irritation, Category 1B</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitisation, Category 1</td>
</tr>
<tr>
<td>Skin Sens. 1B</td>
<td>Skin sensitisation, category 1B</td>
</tr>
<tr>
<td>STOT RE 2</td>
<td>Specific target organ toxicity — Repeated exposure, Category 2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Full text of H- and EUH-statements:</th>
<th>Acute toxicity (inhalation:dust,mist) Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>H226</td>
<td>Flammable liquid and vapour.</td>
</tr>
<tr>
<td>H272</td>
<td>May intensify fire; oxidiser.</td>
</tr>
<tr>
<td>H290</td>
<td>May be corrosive to metals.</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed.</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin.</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin.</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H330</td>
<td>Fatal if inhaled.</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure.</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life.</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>
**Gentle Hand Wash**  
*Safety Data Sheet*  
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<table>
<thead>
<tr>
<th>EUH208</th>
<th>Contains reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3- one [EC no. 220-239-6] (3:1)(55965-84-9). May produce an allergic reaction.</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH210</td>
<td>Safety data sheet available on request.</td>
</tr>
</tbody>
</table>

**SDS EU (REACH Annex II)**  
*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*