SAFETY DATA SHEET
WASH & WAX

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

1.1. Product identifier

Product name: WASH & WAX
Product number: GWW001/01
Internal identification: M392

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

Identified uses: Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Supplier: GARDX PROTECTION LTD
UNIT 7 CLOVELLY BUSINESS PARK
CLOVELLY ROAD
SOUTHBOURNE, EMSWORTH
HANTS
PO10 8PE
+44 (0)1243 376426

product@gardx.co.uk

1.4. Emergency telephone number

Emergency telephone: +44 (0) 777 8505 330 (24 hrs)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification
Physical hazards: Not Classified
Health hazards: Eye Dam. 1 - H318
Environmental hazards: Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC): Xi;R36.

2.2. Label elements

Pictogram

Signal word: Danger
Hazard statements: H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.
WASH & WAX

Precautionary statements
P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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.
P501 Dispose of contents/container in accordance with national regulations.

Contains
Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl), Alcohols, C12-C14 (even numbered), ethoxylated, sulphates, sodium salts, COCO AMIDO PROPYL BETAINE

2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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<tr>
<th>Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)</th>
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<td>Aquatic Chronic 2 - H411</td>
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<td>Aquatic Chronic 3 - H412</td>
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<td>Aquatic Chronic 3 - H412</td>
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SECTION 4: First aid measures

4.1. Description of first aid measures

**Inhalation**
IF INHALED: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

**Ingestion**
Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.

**Skin contact**
Rinse with water. Get medical attention if any discomfort continues.

**Eye contact**
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

**Inhalation**
Upper respiratory irritation.

**Ingestion**
Gastrointestinal symptoms, including upset stomach.

**Skin contact**
Product has a defatting effect on skin.

**Eye contact**
Causes serious eye damage.

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

Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products**
Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO2). Carbon monoxide (CO).

5.3. Advice for firefighters

**Protective actions during firefighting**
No specific firefighting precautions known.
WASH & WAX

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Take care as floors and other surfaces may become slippery. Avoid contact with contaminated tools and objects. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

Environmental precautions
Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections
Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with skin, eyes and clothing. Do not empty into drains. Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Store at temperatures between 4°C and 40°C.

Storage class
Corrosive storage.

7.3. Specific end use(s)

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

2,2'-IMINODIETHANOL
Long-term exposure limit (8-hour TWA): WEL 3 ppm 13 mg/m³

GLYCERINE
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

WEL = Workplace Exposure Limit

Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl) (CAS: 68155-07-7)

DNEL
Industry - Dermal; Long term systemic effects: 4.16 mg/kg/day
Industry - Inhalation; Long term systemic effects: 73.4 mg/m³
Consumer - Dermal; Long term systemic effects: 2.5 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 21.73 mg/m³
Consumer - Oral; Long term systemic effects: 6.25 mg/kg/day
WASH & WAX

**PNEC**
- Fresh water; 0.007 mg/l
- Marine water; 0.0007 mg/l
- Intermittent release; 0.0024 mg/l
- STP; 830 mg/l
- Soil; 0.0189 mg/l
- Sediment; 0.0424 mg/kg

**Alcohols, C12-C14 (even numbered), ethoxylated, sulphates, sodium salts (CAS: 68891-38-3)**

**DNEL**
- Industry - Dermal; Long term: 2050 mg/kg/day
- Industry - Inhalation; Long term: 175 mg/m³
- Consumer - Oral; Long term: 15 mg/kg/day
- Consumer - Dermal; Long term: 1650 mg/kg/day
- Consumer - Inhalation; Long term: 52 mg/m³

**PNEC**
- Fresh water; 0.24 mg/l
- Marine water; 0.024 mg/l
- Intermittent release; 0.071 mg/l
- Sediment (Freshwater); 5.45 mg/kg
- Sediment (Marine water); 0.545 mg/kg
- Soil; 0.946 mg/kg
- STP; 10000 mg/l

**COCO AMIDO PROPYL BETAIN**

**DNEL**
- Industry - Dermal; Long term systemic effects: 12.5
- Consumer - Dermal; Long term systemic effects: 7.5 mg/kg/day
- Industry - Inhalation; Long term systemic effects: 44 mg/m³

**PNEC**
- Fresh water; 0.0135 mg/l
- STP; 300 mg/l
- Soil; 0.8 mg/kg
- Sediment (Marine water); 0.1 mg/kg
- Sediment (Freshwater); 1 mg/kg
- Marine water; 0.00135 mg/l

**2,2‘-IMINODIETHANOL (CAS: 111-42-2)**

**DNEL**
- Workers - Inhalation; Long term local effects: 1.0 mg/m³
- Workers - Dermal; Long term systemic effects: 0.13 mg/kg/day
- General population - Inhalation; Long term local effects: 0.25 mg/m³
- General population - Dermal; Long term systemic effects: 0.07 mg/kg/day
- General population - Oral; Long term systemic effects: 0.06 mg/kg/day

**PNEC**
- Fresh water; 0.0022 mg/l
- Marine water; 0.00022 mg/l
- Intermittent release; 0.022 mg/l
- STP; 100 mg/l
- Sediment (Freshwater); 0.012 mg/kg
- Sediment (Marine water); 0.0012 mg/kg
- Soil; 0.0011 mg/kg

**GLYCERINE (CAS: 56-81-5)**
8.2. Exposure controls

Protective equipment

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. For exposure up to 4 hours, wear gloves made of the following material: Nitrile rubber. Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC). To protect hands from chemicals, gloves should comply with European Standard EN374. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Hygiene measures
Wash hands thoroughly after handling.

9.1. Information on basic physical and chemical properties

Appearance
Viscous liquid.

Colour
Blue.

Odour
Pleasant, agreeable.

pH
pH (concentrated solution): 9.1

Relative density
1.024 @ 25°C

Solubility(ies)
Soluble in water.

9.2. Other information

Other information
Not determined.

10.1. Reactivity

Reactivity
There are no known reactivity hazards associated with this product.

10.2. Chemical stability
WASH & WAX

Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.4. Conditions to avoid

Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials to avoid

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances:
Carbon dioxide (CO2). Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation

Upper respiratory irritation.

Ingestion

Gastrointestinal symptoms, including upset stomach.

Skin contact

Product has a defatting effect on skin. May cause an allergic skin reaction.

Eye contact

Causes serious eye damage.

Toxicological information on ingredients.

Alcohols, C12-C14 (even numbered), ethoxylated, sulphates, sodium salts

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<tr>
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COCO AMIDO PROPYL BETAINE

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### WASH & WAX

#### ESTERS OF MONTANWAX ACIDS

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#### Sodium Chloride

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#### 2,2'-IMINODIETHANOL

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<td>Skin sensitisation</td>
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#### Glycerine

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WASH & WAX

Acute toxicity oral (LD₅₀ mg/kg) 2,001.0
Species Rat

Acute toxicity dermal (LD₅₀ mg/kg) 1,000.0
Species Rabbit

DIETHYL PHTHALATE

Acute toxicity oral (LD₅₀ mg/kg) 9,000.0
Species Rat

BENZYL ALCOHOL

Acute toxicity oral (LD₅₀ mg/kg) 1,620.0
Species Rat

Acute toxicity dermal (LD₅₀ mg/kg) 5,000.1
Species Guinea pig

Acute toxicity inhalation (LC₅₀ gases ppmV) 8,800.0
Species Rat

BRILLIANT BLUE R

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0
Species Rat

AMYL SALICYLATE
## WASH & WAX

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### WASH & WAX

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<th>Acute toxicity oral (LD₅₀ mg/kg)</th>
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<th>ATE oral (mg/kg)</th>
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<td>4,230.0</td>
<td>Rat</td>
<td>4,230.0</td>
<td></td>
<td>5,000.0</td>
<td>Rat</td>
<td>5,000.0</td>
</tr>
</tbody>
</table>

#### 2-METHYL UNDECANAL

<table>
<thead>
<tr>
<th>Substance</th>
<th>Acute toxicity - oral</th>
<th>Acute toxicity oral (LD₅₀ mg/kg)</th>
<th>Species</th>
<th>ATE oral (mg/kg)</th>
<th>Acute toxicity - dermal</th>
<th>Acute toxicity dermal (LD₅₀ mg/kg)</th>
<th>Species</th>
<th>ATE dermal (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>5,000.0</td>
<td>Rat</td>
<td>5,000.0</td>
<td></td>
<td>8,280.0</td>
<td>Rabbit</td>
<td>8,280.0</td>
</tr>
</tbody>
</table>

#### TERPINOLENE

<table>
<thead>
<tr>
<th>Substance</th>
<th>Acute toxicity - oral</th>
<th>Acute toxicity oral (LD₅₀ mg/kg)</th>
<th>Species</th>
<th>ATE oral (mg/kg)</th>
<th>Acute toxicity - dermal</th>
<th>Acute toxicity dermal (LD₅₀ mg/kg)</th>
<th>Species</th>
<th>ATE dermal (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>4,390.0</td>
<td>Rat</td>
<td>4,390.0</td>
<td></td>
<td>4,300.0</td>
<td>Rabbit</td>
<td>4,300.0</td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological Information

**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**12.1. Toxicity**

**Acute toxicity - fish**

Not determined.

Ecological information on ingredients.
WASH & WAX

**Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)**

<table>
<thead>
<tr>
<th></th>
<th>Acute toxicity - aquatic invertebrates</th>
<th>Acute toxicity - aquatic plants</th>
<th>Chronic toxicity - aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EC₅₀, 3.2 mg/l</strong></td>
<td>Daphnia magna</td>
<td>I₅₀, 3.9 mg/l</td>
<td>NOEC, 21 days: 0.07 mg/l, Daphnia magna</td>
</tr>
</tbody>
</table>

**Alcohols, C12-C14 (even numbered), ethoxylated, sulphates, sodium salts**

<table>
<thead>
<tr>
<th></th>
<th>Acute toxicity - fish</th>
<th>Acute toxicity - aquatic invertebrates</th>
<th>Acute toxicity - aquatic plants</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>7.1 mg/l, Brachydanio rerio (Zebra Fish)</td>
<td><strong>EC₅₀, 48 hours</strong> 7.4 mg/l, Daphnia magna</td>
<td><strong>EC₅₀, 72 hours</strong> 27 mg/l, Scenedesmus subspicatus</td>
</tr>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>1.11 mg/l, Pimephales promelas (Fat-head Minnow)</td>
<td><strong>EC₅₀, 48 hours</strong> 1.9 mg/l, Freshwater invertebrates</td>
<td><strong>EC₅₀, 48 hours</strong> 30.0 mg/l, Marinewater algae</td>
</tr>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>1.1 mg/l, Cyprinodon variegatus (Sheepshead minnow)</td>
<td><strong>EC₅₀, 48 hours</strong> 0.3 mg/l, Freshwater invertebrates</td>
<td><strong>EC₅₀, 48 hours</strong> 21.5 mg/l, Daphnia magna</td>
</tr>
</tbody>
</table>

**COCO AMIDO PROPYL BETAINE**

<table>
<thead>
<tr>
<th></th>
<th>Acute toxicity - fish</th>
<th>Acute toxicity - aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>1.11 mg/l, Pimephales promelas (Fat-head Minnow)</td>
<td><strong>EC₅₀, 48 hours</strong> 1.9 mg/l, Freshwater invertebrates</td>
</tr>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>1.1 mg/l, Cyprinodon variegatus (Sheepshead minnow)</td>
<td><strong>EC₅₀, 48 hours</strong> 0.3 mg/l, Freshwater invertebrates</td>
</tr>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>&gt; 500 mg/l, Leuciscus idus (Golden orfe)</td>
<td><strong>EC₅₀, 48 hours</strong> 20.1 mg/l, Leuciscus idus (Golden orfe)</td>
</tr>
</tbody>
</table>

**ESTERS OF MONTANWAX ACIDS**

<table>
<thead>
<tr>
<th></th>
<th>Acute toxicity - fish</th>
<th>Acute toxicity - aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>1.11 mg/l, Pimephales promelas (Fat-head Minnow)</td>
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<tr>
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<td>1.1 mg/l, Cyprinodon variegatus (Sheepshead minnow)</td>
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</tr>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>&gt; 500 mg/l, Leuciscus idus (Golden orfe)</td>
<td><strong>EC₅₀, 48 hours</strong> 21.5 mg/l, Daphnia magna</td>
</tr>
</tbody>
</table>

**SODIUM CHLORIDE**

<table>
<thead>
<tr>
<th></th>
<th>Acute toxicity - fish</th>
<th>Acute toxicity - aquatic invertebrates</th>
<th>Acute toxicity - aquatic plants</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>1.11 mg/l, Pimephales promelas (Fat-head Minnow)</td>
<td><strong>EC₅₀, 48 hours</strong> 1.9 mg/l, Freshwater invertebrates</td>
<td><strong>EC₅₀, 21 days</strong> 0.78 mg/l, Daphnia magna</td>
</tr>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>1.1 mg/l, Cyprinodon variegatus (Sheepshead minnow)</td>
<td><strong>EC₅₀, 48 hours</strong> 0.3 mg/l, Freshwater invertebrates</td>
<td><strong>EC₅₀, 48 hours</strong> 21.5 mg/l, Daphnia magna</td>
</tr>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>&gt; 500 mg/l, Leuciscus idus (Golden orfe)</td>
<td><strong>EC₅₀, 48 hours</strong> 20.1 mg/l, Leuciscus idus (Golden orfe)</td>
<td><strong>IC₅₀, 72 hours</strong> 30.1 mg/l, Daphnia magna</td>
</tr>
</tbody>
</table>

**2,2’-IMINODIETHANOL**

<table>
<thead>
<tr>
<th></th>
<th>Acute toxicity - fish</th>
<th>Acute toxicity - aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>1.11 mg/l, Pimephales promelas (Fat-head Minnow)</td>
<td><strong>EC₅₀, 48 hours</strong> 1.9 mg/l, Freshwater invertebrates</td>
</tr>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>1.1 mg/l, Cyprinodon variegatus (Sheepshead minnow)</td>
<td><strong>EC₅₀, 48 hours</strong> 0.3 mg/l, Freshwater invertebrates</td>
</tr>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>&gt; 500 mg/l, Leuciscus idus (Golden orfe)</td>
<td><strong>EC₅₀, 48 hours</strong> 21.5 mg/l, Daphnia magna</td>
</tr>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>&gt; 100 mg/l, Pimephales promelas (Fat-head Minnow)</td>
<td><strong>EC₅₀, 48 hours</strong> &gt; 10 - 100 mg/l, Daphnia magna</td>
</tr>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>&gt; 100 mg/l, Pimephales promelas (Fat-head Minnow)</td>
<td><strong>EC₅₀, 48 hours</strong> &gt; 10 - 100 mg/l, Daphnia magna</td>
</tr>
<tr>
<td><strong>LC₅₀, 96 hours</strong></td>
<td>&gt; 500 mg/l, Leuciscus idus (Golden orfe)</td>
<td><strong>EC₅₀, 48 hours</strong> &gt; 10 - 100 mg/l, Daphnia magna</td>
</tr>
</tbody>
</table>

**GLYCERINE**
### WASH & WAX

**Acute toxicity - fish**
- LC50, 96 hours, 96 hours: 54000 mg/l, *Onchorhynchus mykiss* (Rainbow trout)

**Acute toxicity - aquatic invertebrates**
- EC₅₀, >: > 10000 mg/l, *Daphnia magna*

**Acute toxicity - aquatic plants**
- EC₅₀, 72 hours, 72 hours: > 2900 mg/l, Freshwater algae

**Acute toxicity - microorganisms**
- EC₅₀, >: > 1000 mg/l, Activated sludge

### DIETHYL PHTHALATE

**Acute toxicity - fish**
- LC₅₀, 96 hours: 17 mg/l, *Fish*

**Acute toxicity - aquatic invertebrates**
- EC₅₀, 48 hours: 90 mg/l, *Daphnia magna*

**Acute toxicity - aquatic plants**
- IC₅₀, 72 hours: 30 mg/l, *Algae*

### BRILLIANT BLUE R

**Acute toxicity - fish**
- LC0, 48 hours, 48 hours: 50 mg/l, *Onchorhynchus mykiss* (Rainbow trout)
- LC50, 48 hours, 48 hours: 75 mg/l, *Onchorhynchus mykiss* (Rainbow trout)

### AMYL SALICYLATE

**Chronic aquatic toxicity**
- M factor (Chronic): 1

### N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE

**Acute aquatic toxicity**
- LE(C)₅₀: 0.01 < L(E)C₅₀ ≤ 0.1
- M factor (Acute): 10

### 1,2-BENZISOTHIAZOL-3(2H)-ONE

**Acute aquatic toxicity**
- LE(C)₅₀: 0.1 < L(E)C₅₀ ≤ 1
- M factor (Acute): 1

### 2-METHYL-2H-ISOTHIAZOL-3-ONE

**Acute aquatic toxicity**
- LE(C)₅₀: 0.01 < L(E)C₅₀ ≤ 0.1
- M factor (Acute): 10

### d-LIMONENE

**Acute aquatic toxicity**
- LE(C)₅₀: 0.1 < L(E)C₅₀ ≤ 1
- M factor (Acute): 1
WASH & WAX

Chronic aquatic toxicity
M factor (Chronic) 1

2-METHYL UNDECANAL

Chronic aquatic toxicity
M factor (Chronic) 1

(L) PINENES

Acute aquatic toxicity
LE(C)₀ 0.1 < L(E)C₅₀ ≤ 1
M factor (Acute) 1
Chronic aquatic toxicity
M factor (Chronic) 1

TERPINOLENE

Chronic aquatic toxicity
M factor (Chronic) 1

2,6-DI-TERT-BUTYL-4-METHYLPHENOL

Acute aquatic toxicity
LE(C)₀ 0.1 < L(E)C₅₀ ≤ 1
M factor (Acute) 1
Chronic aquatic toxicity
M factor (Chronic) 1

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

Ecological information on ingredients.

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

Persistence and degradability This surfactant complies 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.

Biodegradation 92.5%: 28 days

Alcohols, C12-C14 (even numbered), ethoxylated, sulphates, sodium salts

Persistence and degradability Readily biodegradable

DIETHYL PHTHALATE

Persistence and degradability The product is expected to be biodegradable.
12.3. Bioaccumulative potential

Bioaccumulative potential  The product is not bioaccumulating.

Ecological information on ingredients.

**Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>BCF: 65.36</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>log Pow: 3.75</td>
</tr>
</tbody>
</table>

**COCO AMIDO PROPYL BETAINEN**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>BCF: &lt; 71</td>
</tr>
</tbody>
</table>

**2,2'-IMINODIETHANOL**

12.4. Mobility in soil

Mobility  The product is soluble in water.

Ecological information on ingredients.

**Amides, C8-18 (even numbers) and C18-unsatd, N,N-bis(hydroxyethyl)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface tension</td>
<td>27.7 mN/m @ 20°C</td>
</tr>
</tbody>
</table>

**COCO AMIDO PROPYL BETAINEN**

Mobility  The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment  This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

**COCO AMIDO PROPYL BETAINEN**

Results of PBT and vPvB assessment  This substance is not identified as a PBT substance.

**2,2'-IMINODIETHANOL**

Results of PBT and vPvB assessment  This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects  Not determined.

Ecological information on ingredients.

**COCO AMIDO PROPYL BETAINEN**

Other adverse effects  Harmful to aquatic organisms

SECTION 13: Disposal considerations

13.1. Waste treatment methods
WASH & WAX

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)

Transport labels

14.4. Packing group
Not applicable.

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

SECTION 15: Regulatory information

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

National regulations
Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

Guidance
Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision comments
NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date
26/10/2015

Revision
2.0

Supersedes date
10/07/2013

SDS number
25008
WASH & WAX

Risk phrases in full
R22 Harmful if swallowed.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.

Hazard statements in full
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H373 May cause damage to organs (Blood, Liver, Kidneys) through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.