### SAFETY DATA SHEET
Deluxe Car Shampoo


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

<table>
<thead>
<tr>
<th>1.1. Product identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
</tr>
<tr>
<td>Product number</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.2. Relevant identified uses of the substance or mixture and uses advised against</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identified uses</td>
</tr>
<tr>
<td>Uses advised against</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.3. Details of the supplier of the safety data sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplier</td>
</tr>
<tr>
<td></td>
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<tr>
<td></td>
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<tr>
<td></td>
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<tr>
<td></td>
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<tr>
<td></td>
</tr>
<tr>
<td>Contact person</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.4. Emergency telephone number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency telephone</td>
</tr>
<tr>
<td>Mob:+44 (0) 7654 408752</td>
</tr>
<tr>
<td>Mob:+44 (0) 7967 875077</td>
</tr>
<tr>
<td>Mob:+44 (0) 7789 966050</td>
</tr>
</tbody>
</table>

If you urgently need medical help or advice but it's not a life-threatening situation, call 111 free from any phone to speak to an NHS adviser. The 24-hour NHS 111 service can give you healthcare advice or direct you to the local service that can help you best.

The NHS 111 service will also be available via the harmonised European number for medical advice 116 117

### SECTION 2: Hazards identification

<table>
<thead>
<tr>
<th>2.1. Classification of the substance or mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classification</td>
</tr>
<tr>
<td>Physical hazards</td>
</tr>
<tr>
<td>Health hazards</td>
</tr>
<tr>
<td>Environmental hazards</td>
</tr>
</tbody>
</table>

| 2.2. Label elements |
Deluxe Car Shampoo

Pictogram

Signal word  Warning

Hazard statements  H315 Causes skin irritation.
                  H319 Causes serious eye irritation.

Precautionary statements  P264 Wash contaminated skin thoroughly after handling.
                         P280 Wear protective gloves.
                         P280 Wear eye protection.
                         P302+P352 IF ON SKIN: Wash with plenty of water.
                         P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
                         P332+P313 If skin irritation occurs: Get medical advice/attention.

Supplementary precautionary statements  P362+P364 Take off contaminated clothing and wash it before reuse.

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

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-18(even numbered) acyl derivs., hydroxides, inner salts  5-10%

<table>
<thead>
<tr>
<th>CAS number: 0000000-00-0</th>
<th>EC number: 931-296-8</th>
<th>REACH registration number: 01-2119488533-30-XXXX</th>
</tr>
</thead>
</table>

Classification  Eye Dam. 1 - H318
Classification (67/548/EEC or 1999/45/EC)  Xi;R36.

Aquatic Chronic 3 - H412

Dicocodimethylammonium chloride  1-2%

<table>
<thead>
<tr>
<th>CAS number: 61789-77-3</th>
<th>EC number: 263-087-6</th>
<th>REACH registration number: 01-2119486994-16-XXXX</th>
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</table>

M factor (Acute) = 1

Classification  Acute Tox. 4 - H302
Classification (67/548/EEC or 1999/45/EC)  Xn;R22. C;R34. N;R50.

Skin Corr. 1B - H314
Eye Dam. 1 - H318
Aquatic Acute 1 - H400
Aquatic Chronic 2 - H411
**Amines, C12-14 - alkydimethyl, N-oxides.**

- CAS number: 308062-28-4
- EC number: 931-292-6
- REACH registration number: 01-2119490061-47-xxxx
- M factor (Acute) = 1

**Classification**
- Acute Tox. 4 - H302
- Skin Irrit. 2 - H315
- Eye Dam. 1 - H318
- Aquatic Acute 1 - H400
- Aquatic Chronic 2 - H411

**PROPN-2-OL**

- CAS number: 67-63-0
- EC number: 200-661-7
- REACH registration number: 01-2119457558-25-xxxx

**Classification**
- Flam. Liq. 2 - H225
- Eye Irrit. 2 - H319
- STOT SE 3 - H336

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: First aid measures**

### 4.1. Description of first aid measures

**General information**
Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.

**Inhalation**
Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.

**Ingestion**
Rinse mouth thoroughly with water. Remove any dentures. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.

**Skin contact**
Rinse with water.

**Eye contact**
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.
**Deluxe Car Shampoo**

**Protection of first aiders**
First aid personnel should wear appropriate protective equipment during any rescue. If it is suspected that volatile contaminants are still present around the affected person, first aid personnel should wear an appropriate respirator or self-contained breathing apparatus. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

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

**General information**
See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation**
Prolonged inhalation of high concentrations may damage respiratory system.

**Ingestion**
May cause irritation.

**Skin contact**
Redness. Irritating to skin.

**Eye contact**
Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

**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**
The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media**
Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture**

**Specific hazards**
Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products**
Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

**5.3. Advice for firefighters**

**Protective actions during firefighting**
Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters**
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**
Deluxe Car Shampoo

**Personal precautions**

No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material.

6.2. Environmental precautions

**Environmental precautions**

Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

**Methods for cleaning up**

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Following dilution, discharge to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. For waste disposal, see Section 13.

6.4. Reference to other sections

**Reference to other sections**

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

**Usage precautions**

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

**Advice on general occupational hygiene**

Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions**

Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Bund storage facilities to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent.

**Storage class**

Chemical 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
Deluxe Car Shampoo

Occupational exposure limits

**PROPAN-2-OL**

Long-term exposure limit (8-hour TWA): WEL 400 ppm  999 mg/m³
Short-term exposure limit (15-minute):  WEL 500 ppm  1250 mg/m³

WEL = Workplace Exposure Limit

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-N-C8-18(even numbered) acyl derivs., hydroxides, inner salts (CAS: 0000000-00-0)

**Ingredient comments**

No exposure limits known for ingredient(s).

**DNEL**

Professional - Dermal; systemic effects: 12.5 mg/kg/day
Professional - Inhalation; systemic effects: 44 mg/m³
Consumer - Dermal; systemic effects: 7.5 mg/kg/day
Consumer - Oral; systemic effects: 7.5 mg/kg/day

**PNEC**

- Fresh water; 0.0135 mg/l
- Marine water; 0.00135 mg/l
- Sediment (Freshwater); 1 mg/kg
- Sediment (Marine water); 0.1 mg/kg
- Soil; 0.8 mg/kg
- STP; 3000 mg/l

**Dicocodimethylammonium chloride (CAS: 61789-77-3)**

**Ingredient comments**

No exposure limits known for ingredient(s).

**DNEL**

Professional - Dermal; Long term systemic effects: 12.75 mg/kg/day
Industry - Inhalation; Long term systemic effects: 27 mg/m³
Consumer - Dermal; Long term systemic effects: 7.65 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 8 mg/m³
Consumer - Oral; Long term systemic effects: 2.3 mg/kg/day

**PNEC**

- Fresh water; 0.013 mg/l
- Marine water; 0.0013 mg/l
- STP; 1.2
- Sediment (Freshwater); 8.8 mg/kg
- Sediment (Marine water); 0.88 mg/kg
- Soil; 7 mg/kg

**COCONUT DIETHANOLAMIDE (CAS: 68155-07-7)**

**Ingredient comments**

No exposure limits known for ingredient(s).

**Amines, C12-14 - alkyldimethyl, N-oxides. (CAS: 308062-28-4)**

**Ingredient comments**

No exposure limits known for ingredient(s).

**DNEL**

Workers - Dermal; Long term systemic effects: 11 mg/kg/day
Workers - Inhalation; Long term systemic effects: 15.5 mg/m³
Workers - Dermal; Long term local effects: 0.27 %
General population - Dermal; Long term systemic effects: 5.5 mg/kg/day
General population - Inhalation; Long term systemic effects: 3.8 mg/m³
General population - Oral; Long term systemic effects: 0.44 mg/kg/day
Deluxe Car Shampoo

PNEC
- Fresh water; 0.0335 mg/l
- Marine water; 0.00335 mg/l
- Intermittent release; 0.0335 mg/l
- Sediment (Freshwater); 5.24 mg/kg
- Sediment (Marine water); 0.524 mg/kg
- Soil; 1.02 mg/kg
- STP; 24 mg/kg

PROPAN-2-OL (CAS: 67-63-0)

DNEL
Industry - Inhalation; Long term systemic effects: 500 mg/m³
Consumer - Dermal; Long term systemic effects: 319 mg/kg/day
Consumer - Oral; Long term systemic effects: 26 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 89 mg/m³
Industry - Dermal; Long term systemic effects: 888 mg/kg/day

PNEC
- Fresh water; 140.9 mg/l
- Marine water; 140.9 mg/l
- Intermittent release; 140.9 mg/l
- Sediment (Freshwater); 552 mg/kg
- Sediment (Marine water); 552 mg/kg
- STP; 2251 mg/l
- Soil; 28 mg/kg

8.2. Exposure controls

Protective equipment

Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure.

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. 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. Frequent changes are recommended.

Other skin and body protection
Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
Deluxe Car Shampoo

Hygiene measures
Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.

Respiratory protection
Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is ‘CE’-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

Environmental exposure controls
Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Mild</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not available. Not available.</td>
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<tr>
<td>pH</td>
<td>pH (concentrated solution): ~ 7.0</td>
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<tr>
<td>Melting point</td>
<td>~ 0°C</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>~ 100 @ °C @ 760 mm Hg</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
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<tr>
<td>Upper/lower flammability or</td>
<td>Not applicable.</td>
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<tr>
<td>explosive limits</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Relative density</td>
<td>~ 1.000 @ (20°C)°C</td>
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<td>Solubility(ies)</td>
<td>Soluble in water.</td>
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<tr>
<td>Partition coefficient</td>
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<tr>
<td>Auto-ignition temperature</td>
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<tr>
<td>Decomposition Temperature</td>
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<tr>
<td>Viscosity</td>
<td>~ 350 cSt @ 20°C</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Comments</td>
<td>Information declared as &quot;Not available&quot; or &quot;Not applicable&quot; is not considered to be relevant to the implementation of the proper control measures.</td>
</tr>
</tbody>
</table>
Deluxe Car Shampoo

9.2. Other information
Volatile organic compound This product contains a maximum VOC content of 2 g/litre.

SECTION 10: Stability and reactivity

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

10.2. Chemical stability
Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions No potentially hazardous reactions known.

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 Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Other health effects There is no evidence that the product can cause cancer.

Acute toxicity - oral
Notes (oral LD₅₀) Based on available data the classification criteria are not met.
ATE oral (mg/kg) 41,666.67

Acute toxicity - dermal
Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation
Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation
Animal data Irritating.

Human skin model test Scientifically unjustified.

Extreme pH Moderate pH ( > 2 and < 11.5).

Serious eye damage/irritation

Serious eye damage/irritation Eye Dam. 1 - H318 Causes serious eye damage.

Respiratory sensitisation
Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation
Skin sensitisation Based on available data the classification criteria are not met.
# Deluxe Car Shampoo

## Germ cell mutagenicity
**Genotoxicity - in vitro**  
Based on available data the classification criteria are not met.

## Carcinogenicity
**Carcinogenicity**  
Based on available data the classification criteria are not met.

## Reproductive toxicity
**Reproductive toxicity - fertility**  
Based on available data the classification criteria are not met.

**Reproductive toxicity - development**  
Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure
**STOT - single exposure**  
Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure
**STOT - repeated exposure**  
Not classified as a specific target organ toxicant after repeated exposure.

## Aspiration hazard
**Aspiration hazard**  
Based on available data the classification criteria are not met.

## General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

## Inhalation
Prolonged inhalation of high concentrations may damage respiratory system.

## Ingestion
May cause irritation.

## Skin contact
Redness. Irritating to skin.

## Eye contact
Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

## Acute and chronic health hazards
Because of the product’s quantity and composition, the health hazard is regarded as low. No specific long-term effects known.

## Route of entry
Ingestion Inhalation Skin and/or eye contact

## Target organs
No specific target organs known.

## Medical symptoms
No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

### Toxicological information on ingredients.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

### Other health effects
There is no evidence that the product can cause cancer.

#### Acute toxicity - oral
**Acute toxicity oral (LD₅₀ mg/kg)**  
7,783.0  
Species  
Rat

#### Acute toxicity - dermal
**Acute toxicity dermal (LD₅₀ mg/kg)**  
2,066.0
Deluxe Car Shampoo

Species  Rat

Skin sensitisation  Not sensitising.

Reproductive toxicity

Reproductive toxicity - development  Developmental toxicity: - NOAEL: 1,000 mg/kg, Oral, Rat

Specific target organ toxicity - single exposure

STOT - single exposure  Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure  NOAEL 300 mg/kg, Oral, Rat Not classified as a specific target organ toxicant after repeated exposure.

Dicocodimethylammonium chloride

Other health effects  There is no evidence that the product can cause cancer.

PROPAN-2-OL

Other health effects  There is no evidence that the product can cause cancer.

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg)  5,840.0

Species  Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg)  16.4

Species  Rabbit

Respiratory sensitisation

Respiratory sensitisation  Not sensitising.

Skin sensitisation

Skin sensitisation  Not sensitising.

Inhalation  Drowsiness, dizziness, disorientation, vertigo.

Ingestion  No specific health hazards known.

Skin contact  No specific health hazards known.

Eye contact  Irritating to eyes.

SECTION 12: Ecological Information

Ecotoxicity  Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
## Deluxe Car Shampoo

### Ecological information on ingredients.

**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-N-C8-18(even numbered) acyl derivs., hydroxides, inner salts**

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>Harmful to aquatic life.</th>
</tr>
</thead>
</table>

**PROPAN-2-OL**

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>The product is not expected to be hazardous to the environment.</th>
</tr>
</thead>
</table>

### 12.1. Toxicity

**Toxicity**

Based on available data the classification criteria are not met.

**Acute toxicity - fish**

Not determined.

**Acute toxicity - aquatic invertebrates**

Not determined.

**Acute toxicity - aquatic plants**

Not determined.

**Acute toxicity - microorganisms**

Not determined.

**Acute toxicity - terrestrial**

Not determined.

### Ecological information on ingredients.

**1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-N-C8-18(even numbered) acyl derivs., hydroxides, inner salts**

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - fish</td>
<td>LC₅₀, 96 hours, 96 hours: ~ 1.11 mg/l, Pimephales promelas (Fat-head Minnow)</td>
</tr>
<tr>
<td>Acute toxicity - aquatic invertebrates</td>
<td>EC₅₀, 48 hours, 48 hours: 1.9 mg/l, Daphnia magna</td>
</tr>
<tr>
<td>Acute toxicity - aquatic plants</td>
<td>EC₅₀, 72 hours, 72 hours: 2.4 mg/l, Freshwater algae</td>
</tr>
<tr>
<td>Acute toxicity - microorganisms</td>
<td>ECₐ, : 3,000 mg/l, Activated sludge</td>
</tr>
<tr>
<td>Chronic toxicity - fish early life stage</td>
<td>NOEC, : 0.135 mg/l, Onchorhynchus mykiss (Rainbow trout)</td>
</tr>
<tr>
<td>Chronic toxicity - aquatic invertebrates</td>
<td>NOEC, : 0.3 mg/l, Daphnia magna</td>
</tr>
</tbody>
</table>

**Dicocodimethylammonium chloride**

<table>
<thead>
<tr>
<th>Acute aquatic toxicity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LE(C)₅₀</td>
<td>0.1 &lt; L(E)C₅₀ ≤ 1</td>
</tr>
<tr>
<td>M factor (Acute)</td>
<td>1</td>
</tr>
<tr>
<td>Acute toxicity - fish</td>
<td>LC₅₀, 96 hours: 0.195 mg/l, Fish</td>
</tr>
<tr>
<td>Acute toxicity - aquatic invertebrates</td>
<td>EC₅₀, 48 hours: 0.01-0.1 mg/l, Daphnia magna</td>
</tr>
</tbody>
</table>
Deluxe Car Shampoo

**PROPAN-2-OL**

**Acute toxicity - fish**
LC50, 96 hours, 96 hours: ~ 9640 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates**
EC₅₀, >: > 1000 mg/l, Daphnia magna

**Acute toxicity - aquatic plants**
EC₅₀, 72 hours, 72 hours: > 1000 mg/l, Scenedesmus subspicatus

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

12.2. Persistence and degradability

**Persistence and degradability**
The surfactant(s) contained in this product comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

**Ecological information on ingredients.**

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C₈-₁₈(even numbered) acyl derivs., hydroxides, inner salts

Persistence and degradability
The product is biodegradable.

**Dicocodimethylammonium chloride**

Persistence and degradability
The product is biodegradable.

**PROPAN-2-OL**

Persistence and degradability
The product is expected to be biodegradable.

Biodegradation
Degradation (%)
- 95: 21 days

Biological oxygen demand
~ 1171 g O₂/g substance

Chemical oxygen demand
~ 2294 g O₂/g substance

12.3. Bioaccumulative potential

**Bioaccumulative potential**
No data available on bioaccumulation.

**Partition coefficient**
Not available.

**Ecological information on ingredients.**

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-C₈-₁₈(even numbered) acyl derivs., hydroxides, inner salts

**Bioaccumulative potential**
The product does not contain any substances expected to be bioaccumulating.
BCF: 71,

**Dicocodimethylammonium chloride**
Deluxe Car Shampoo

**Bioaccumulative potential**  The product does not contain any substances expected to be bioaccumulating.

**PROPAN-2-OL**

**Bioaccumulative potential**  The product is not bioaccumulating.

**Partition coefficient**  \( \log \text{Pow} \): 0.05

12.4. Mobility in soil

**Mobility**  The product is water-soluble and may spread in water systems. The product is non-volatile.

**Ecological information on ingredients.**

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-\( \cdot \)N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

**Mobility**  The product is soluble in water.

**Dicocodimethylammonium chloride**

**Mobility**  The product is soluble in water.

**PROPAN-2-OL**

**Mobility**  The product is soluble in water.

**Adsorption/desorption coefficient**  Soil - \( \text{Koc} \): ~ 1.1 @ °C

**Henry's law constant**  0.00000338 atm m3/mol @ 25°C

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.**

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-\( \cdot \)N-C8-18(even numbered) acyl derivs., hydroxides, inner salts

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

**PROPAN-2-OL**

**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**  None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Deluxe Car Shampoo

General information
The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods
Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

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)
No transport warning sign required.

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
Health and Safety at Work etc. Act 1974 (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009").
EH40/2005 Workplace exposure limits.
Deluxe Car Shampoo

EU legislation
Dangerous Preparations Directive 1999/45/EC.
Dangerous Substances Directive 67/548/EEC.

Water hazard classification
WGK 2

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

Inventories
EU - EINECS/ELINCS
None of the ingredients are listed or exempt.

SECTION 16: Other Information

General information
This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems. Only trained personnel should use this material.

Classification procedures according to Regulation (EC) 1272/2008
Skin Irrit. 2 - H315: Eye Irrit. 2 - H319: : Calculation method.

Training advice
Read and follow manufacturer's recommendations. Only trained personnel should use this material.

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

Issued by
Quantum Car Care Products
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WC1A 2SE
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Revision
13
Supersedes date
05/06/2015
SDS number
10163
SDS status
Approved.

Risk phrases in full
Not classified.
R11 Highly flammable.
R22 Harmful if swallowed.
R34 Causes burns.
R36 Irritating to eyes.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.
R67 Vapours may cause drowsiness and dizziness.
Deluxe Car Shampoo

Hazard statements in full

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
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.