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

1.1. Product identifier

Product name: DRIVEWAY CLEANER

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

Use of substance / mixture: A non flammable low foaming aqueous cleaning agent designed for the removal of oil spills on roads and highways. For brush applications, use neat or diluted 1:20. For jetting/back pack applications, use at a dilution of between 4 & 8 %. Not classified as hazardous at 15% end use concentration. PC35: Washing and cleaning products (including solvent based products).

1.3. Details of the supplier of the safety data sheet

Company name: Smartseal UK Ltd
Unit 14 a Annwood Lodge Business Park
Arterial Road
Rayleigh
Essex
SS6 7UA
United Kingdom
Tel: 01268 722500
Email: andrew.alton@smartseal.co.uk

1.4. Emergency telephone number

Emergency tel: 01268 722500

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: Xi: R38; Xi: R41
Most important adverse effects: Irritating to skin. Risk of serious damage to eyes.

2.2. Label elements

Label elements under CHIP:

Hazard symbols: Irritant.

Risk phrases: R38: Irritating to skin.
R41: Risk of serious damage to eyes.

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek
medical advice.

S39: Wear eye / face protection.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT substance.

### Section 3: Composition/information on ingredients

#### 3.2. Mixtures

**Hazardous ingredients:**

**PRIMARY ALCOHOL ETHOXYLATE**

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>CHIP Classification</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>68439-45-2</td>
<td>Xn: R22; Xi: R41</td>
<td>Eye Dam. 1: H318; Acute Tox. 4: H302</td>
<td>1-10%</td>
</tr>
</tbody>
</table>

**ALKYLPOLYGUCOSIDE - REACH registered number(s): 603-654-0**

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>CHIP Classification</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>603-654-0</td>
<td>132778-08-0 6</td>
<td>Xi: R41</td>
<td>Eye Dam. 1: H318</td>
<td>1-10%</td>
</tr>
</tbody>
</table>

**DISODIUM METASILICATE**

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>CHIP Classification</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>229-912-9</td>
<td>6834-92-0</td>
<td>C: R34; Xi: R37</td>
<td>Skin Corr. 1B: H314; STOT SE 3: H335</td>
<td>1-10%</td>
</tr>
</tbody>
</table>

**2-(2-BUTOXYETHOXY)ETHANOL**

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>CHIP Classification</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>203-961-6</td>
<td>112-34-5</td>
<td>Xi: R36</td>
<td>Eye Irrit. 2: H319</td>
<td>1-10%</td>
</tr>
</tbody>
</table>

**SODIUM HYDROXIDE**

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>CHIP Classification</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>215-185-5</td>
<td>1310-73-2</td>
<td>C: R35</td>
<td>Skin Corr. 1A: H314</td>
<td>1-10%</td>
</tr>
</tbody>
</table>

### Section 4: First aid measures

#### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
**SAFETY DATA SHEET**

**DRIVEWAY CLEANER**

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

### Section 5: Fire-fighting measures

#### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** In combustion emits toxic fumes.

#### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

### Section 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

#### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

#### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb using suitable material- eg Magic Sorb, Absorbant pads etc. Go to http://www.oiltechnics.co.uk/Absorbents/index.html for further information. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

#### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

### Section 7: Handling and storage

#### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.
7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

2-(2-BUTOXYETHOXY)ETHANOL

Workplace exposure limits:

<table>
<thead>
<tr>
<th>State</th>
<th>8 hour TWA</th>
<th>15 min. STEL</th>
<th>8 hour TWA</th>
<th>15 min. STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>UK</td>
<td>67.5 mg/m³</td>
<td>101.2 mg/m³</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

SODIUM HYDROXIDE

| State |  | 15 min. STEL |  |  |
|-------| | 2 mg/m³ | - | - |

8.1. DNEL/PNEC Values

DNEL / PNEC: No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

Environmental: Refer to specific Member State legislation for requirements under Community environmental legislation.

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>State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Pale yellow</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Slow</td>
</tr>
<tr>
<td>Oxidising</td>
<td>Non-oxidising (by EC criteria)</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Soluble</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Non-viscous</td>
</tr>
<tr>
<td>Boiling point/°C</td>
<td>~100</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>As water</td>
</tr>
<tr>
<td>pH</td>
<td>&gt;11.5</td>
</tr>
</tbody>
</table>

9.2. Other information

Other information: No data available.
Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazards reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

**PRIMARY ALCOHOL ETHOXYLATE**

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>DERMAL</td>
<td>-</td>
<td>&gt;2000</td>
<td>mg/kg</td>
</tr>
<tr>
<td>ORAL</td>
<td>-</td>
<td>&gt;300, &lt;2000</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

**ALKYLPOGLUCOSIDE**

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORAL</td>
<td>HMN</td>
<td>&gt;2000</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

**DISODIUM METASILICATE**

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL</td>
<td>MUS</td>
<td>770</td>
<td>mg/kg</td>
</tr>
<tr>
<td>ORL</td>
<td>RAT</td>
<td>1153</td>
<td>mg/kg</td>
</tr>
</tbody>
</table>

**2-(2-BUTOXYETHOXY)ETHANOL**

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL</td>
<td>MUS</td>
<td>6050</td>
<td>mg/kg</td>
</tr>
<tr>
<td>ORL</td>
<td>RAT</td>
<td>4500</td>
<td>mg/kg</td>
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</table>

[cont...]
SODIUM HYDROXIDE

<table>
<thead>
<tr>
<th>IPR</th>
<th>MUS</th>
<th>LD50</th>
<th>40 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL</td>
<td>RBT</td>
<td>LDLO</td>
<td>500 mg/kg</td>
</tr>
</tbody>
</table>

Relevant effects for mixture:

<table>
<thead>
<tr>
<th>Effect</th>
<th>Route</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irritation</td>
<td>OPT DRM</td>
<td>Hazardous: calculated</td>
</tr>
</tbody>
</table>

Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

**12.1. Toxicity**

Ecotoxicity values: No data available.

**12.2. Persistence and degradability**

Persistence and degradability: Biodegradable. After 5 days, 50% Biodegradation is reached.

**12.3. Bioaccumulative potential**

Bioaccumulative potential: No bioaccumulation potential.

**12.4. Mobility in soil**

Mobility: Readily absorbed into soil.

**12.5. Results of PBT and vPvB assessment**

PBT identification: This product is not identified as a PBT substance.

**12.6. Other adverse effects**

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

**13.1. Waste treatment methods**

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: May be reused following decontamination.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.
Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Section 16: Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

**Phrases used in s.2 and 3:**
- H302: Harmful if swallowed.
- H314: Causes severe skin burns and eye damage.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.
- R22: Harmful if swallowed.
- R34: Causes burns.
- R35: Causes severe burns.
- R36: Irritating to eyes.
- R37: Irritating to respiratory system.
- R38: Irritating to skin.
- R41: Risk of serious damage to eyes.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.