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## SAFETY DATA SHEET

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

#### 1.1 Product identifier

- Product Name: Smartseal Driveway Cleaner
- UFI:

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

- Use of the substance/mixture: Surface treatment

#### 1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Smartseal UK Ltd
- Address of Supplier: Unit 65-67  
Cutlers Road  
South Woodham  
Ferrers CM3 5WA  
Essex, United Kingdom
- Telephone: +44 (0) 1268 722500
- Responsible Person: Nick Giannotti
- Email: contactus@smartseal.co.uk

#### 1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1268 722500 (8:30-5:30 Mon-Fri)

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

- CLP: Skin Irrit. 2, Eye Dam.

#### 1 2.2 Label elements



- Signal Word: Danger

#### Hazard statements

- Causes serious eye damage (H318).
- Causes skin irritation (H315).

#### Precautionary statements

- Wear protective gloves/protective clothing/eye protection/face protection (P280).
- Immediately call a POISON CENTER or doctor/physician (P310).
- Wash hands thoroughly after handling (P264).
- IF ON SKIN: Wash with plenty of soap and water (P302+P352).

#### 2.3 Other hazards

- Contains: Alcohols, C9-11, ethoxylated

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**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Sodium hydroxide**

CAS Number: 1310-73-2

EC Number: 215-185-5

Concentration: 1-10%

Specific Concentration Limits: Skin Corr. 1A; H314:  $C \geq 5\%$   
Skin Corr. 1B; H314:  $2\% \leq C < 5\%$   
Skin Irrit. 2; H315:  $0,5\% \leq C < 2\%$   
Eye Irrit. 2; H319:  $0,5\% \leq C < 2\%$

M factor:

Acute toxicity estimate:

Categories: Skin Corr. 1A

Symbols: GHS05

H Statements: H314

**Alcohols, C9-11, ethoxylated**

CAS Number: 68439-46-3

EC Number: 614-482-0

Concentration: 1-10%

Specific Concentration Limits:

M factor:

Acute toxicity estimate:

Categories: Acute Tox. 4, Eye Dam. 1

Symbols: GHS05, GHS07

H Statements: H302, H318

**D-Glucopyranose, oligomeric, C9-11-alkyl glycosides**

CAS Number: 132778-08-6

EC Number: 603-654-0

Concentration: 1-10%

Specific Concentration Limits:

M factor:

Acute toxicity estimate:

Categories: Skin Irrit. 2, Eye Dam. 1

Symbols: GHS05

H Statements: H315, H318

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**SECTION 4: First aid measures****4.1 Description of first aid measures**

- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation occurs: Get medical advice/attention.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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**SECTION 4: First aid measures (....)**

- Mildly irritating to skin and eyes
- Mildly irritating to eyes
- Can cause damage to the eyes and skin

4.3 Indication of any immediate medical attention and special treatment needed - Immediately call a POISON CENTER or doctor/physician.

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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

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

- Contains alkali
- No hazard expected under normal conditions of use

**5.3 Advice for firefighters**

- Prevent run off water from entering drains if possible
  - Wear chemical protection suit and positive-pressure breathing apparatus
  - Wear full protective clothing including chemical protection suit
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**SECTION 6: Accidental release measures**

Spillage causes slippery surface

**6.1 Personal precautions, protective equipment and emergency procedures**

- Contain spillage by any means possible
- Wear eye/face protection
- Wear protective clothing as per section 8

**6.2 Environmental precautions**

- Avoid release to the environment. Refer to special instructions/Safety data sheets
- Do not empty into drains
- Use appropriate containment to avoid environmental contamination

**6.3 Methods and material for containment and cleaning up**

- Absorb spillage in dry sand
- Absorb spillage in earth or sand
- Remove contaminated material to safe location for subsequent disposal

**6.4 Reference to other sections**

- See Section 8
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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

- Wear protective gloves/protective clothing/eye protection/face protection.

**7.2 Conditions for safe storage, including any incompatibilities**

- Keep only in the original container in a cool, well ventilated place away from acid
- Store at ambient temperature

**7.3 Specific end use(s)**

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**SECTION 7: Handling and storage (....)**

- No information available
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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

- No information available

**8.2 Exposure controls**

- Wear protective gloves/protective clothing/eye protection/face protection.
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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- Physical state: liquid
- Colour: pale straw
- Odour: None
- Melting point/Range: not applicable
- Boiling Point/Range: > 100°C
- Flammability: Not flammable
- pH: Approximately 11.0
- Solubility in water: Completely soluble in water
- Density: 1.06
- Flashpoint: >93°C

**9.2 Other information**

- No information available
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**SECTION 10: Stability and reactivity****10.1 Reactivity**

- This article is considered stable under normal conditions

**10.2 Chemical stability**

- This article is considered stable under normal conditions

**10.3 Possibility of hazardous reactions**

- No hazardous reactions known if used for its intended purpose

**10.4 Conditions to avoid**

- Keep away from heat
- Avoid contact with acid

**10.5 Incompatible materials**

- Incompatible with acid
- Incompatible with strong oxidizing substances

**10.6 Hazardous decomposition products**

- Decomposition products may include toxic fumes
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**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

**ALCOHOLS C9-11, ETHOXYLATED**  
DERMAL - LD50 >2000 mg/kg  
ORAL - LD50 >300, <2000 mg/kg

**ALKYLPOLYGLYCOSIDE C9-11**  
ORAL - LD50 2000 mg/kg

**SODIUM HYDROXIDE (>5%)**  
IPR MUS LD50 40 mg/kg  
ORL RBT LDLO 500 mg/kg

**Skin corrosion/irritation**

May cause irritation  
May cause severe irritation

**Serious eye damage/irritation**

In extreme cases ocular damage caused  
May cause redness and irritation  
Possible risk of irreversible effects

**Respiratory or skin sensitisation**

No information available but must be considered harmful

**Germ cell mutagenicity**

No information available

**Carcinogenicity**

No information available

**Reproductive toxicity**

No information available

**STOT (specific target organ toxicity) - single exposure**

No information available

**STOT (specific target organ toxicity) - repeated exposure**

No information available

**Aspiration hazard**

No information available

**11.2 Information on other hazards**

- No information available

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**SECTION 12: Ecological information****12.1 Toxicity**

**ALCOHOLS C9-11, ETHOXYLATED**

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**SECTION 12: Ecological information (....)**

ALGAE LL/EL/IL50 >100 mg/l  
Daphnia magna LL/EL/IL50 1-10 mg/l  
FISH LL/EL/IL50 1-10 mg/l

ALKYLPOLYGLYCOSIDE C9-11  
FISH 96H LC50 10 mg/l

SODIUM HYDROXIDE (>5%)  
DAPHNIA 48H EC50 40.4 mg/l  
Gambusia affinis 96H LC50 125 mg/l  
Photobacterium phosphoreum 15min LC50 22 mg/l  
Poecilia reticulata 24H LC50 145 mg/l

**12.2 Persistence and degradability**

- Biodegradable

**12.3 Bioaccumulative potential**

No bioaccumulation potential.

**12.4 Mobility in soil**

- miscible with water

**12.5 Results of PBT and vPvB assessment**

- Not a PBT according to REACH Annex XIII

**12.6 Endocrine disrupting properties**

- Not applicable

**12.7 Other adverse effects**

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

- Avoid release to the environment. Refer to special instructions/Safety data sheets
  - Use appropriate containment to avoid environmental contamination
  - This material and its container must be disposed of in a safe way
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**SECTION 14: Transport information**

Not classified as hazardous for transport

**14.1 UN number or ID number**

- UN No.: Not applicable

**14.2 UN proper shipping name**

- Proper Shipping Name: Not

applicable

**14.3 Transport hazard class(es)**

- Hazard Class: Not applicable

**14.4 Packing group**

- Packing Group: Not applicable

**14.5 Environmental hazards**

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**SECTION 14: Transport information (....)**

- Not applicable

**14.6 Special precautions for user**

- No special precautions are required for this product

**14.7 Maritime transport in bulk according to IMO**

instruments - No information available

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**SECTION 15: Regulatory information**

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

- Not hazardous according to current  
ADR Regulations DA PR- 4238666

**15.2 Chemical safety assessment**

- A chemical safety assessment (CSA) for this product has not yet been completed

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**SECTION 16: Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H318: Causes serious eye damage.

**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.

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--- end of safety datasheet ---

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