

## SAFETY DATA SHEET GEOCEL SILCON CLEANER

Page: 1

Compilation date: 30/01/2013

Revision No: 3

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

#### 1.1. Product identifier

**Product name:** GEOCEL SILCON CLEANER

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

**Use of substance / mixture:** PC35: Washing and cleaning products (including solvent based products).

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

**Company name:** Geocel Limited  
Western Wood Way  
Langage Science Park  
Plympton  
Plymouth  
PL7 5BG  
**Tel:** 01752 202060  
**Fax:** 01752 334384  
**Email:** [technical@geocel.co.uk](mailto:technical@geocel.co.uk)

#### 1.4. Emergency telephone number

**Emergency tel:** 01752 202060  
(office hours only)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CHIP:** -: R10; Xn: R20/21; Xi: R38

**Classification under CLP:** Skin Irrit. 2: H315; Acute Tox. 4: H312+332; Flam. Liq. 3: H226

**Most important adverse effects:** Flammable. Harmful by inhalation and in contact with skin. Irritating to skin.

#### 2.2. Label elements

##### Label elements under CLP:

**Hazard statements:** H226: Flammable liquid and vapour.  
H312+332: Harmful in contact with skin or if inhaled.  
H315: Causes skin irritation.

**Signal words:** Warning

**Hazard pictograms:** GHS02: Flame  
GHS07: Exclamation mark



# SAFETY DATA SHEET

## GEOCEL SILCON CLEANER

Page: 2

**Precautionary statements:** P102: Keep out of reach of children.  
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P260: Do not breathe vapours.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing.  
Rinse skin with water.  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P312: Call a POISON CENTER or doctor if you feel unwell.

### Label elements under CHIP:

**Hazard symbols:** Harmful.



**Risk phrases:** R10: Flammable.  
R20/21: Harmful by inhalation and in contact with skin.  
R38: Irritating to skin.

**Safety phrases:** S2: Keep out of the reach of children.  
S36/37: Wear suitable protective clothing and gloves.  
S46: If swallowed, seek medical advice immediately and show this container or label.

### 2.3. Other hazards

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

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

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

##### XYLENE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
215-535-7	1330-20-7	-: R10; Xn: R20/21; Xi: R38	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	70-90%

##### ETHYLBENZENE

202-849-4	100-41-4	F: R11; Xn: R20	Flam. Liq. 2: H225; Acute Tox. 4: H332	10-30%
-----------	----------	-----------------	--	--------

## Section 4: First aid measures

[cont...]

**SAFETY DATA SHEET**  
GEOCEL SILCON CLEANER

Page: 3

**4.1. Description of first aid measures**

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.
- Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.
- 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. Consult a doctor.

**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 irritation and redness. The eyes may water profusely.
- Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting and diarrhoea. The casualty may appear intoxicated. May cause dizziness.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Vapours evolved during curing may cause dizziness.

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

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

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

**Exposure hazards:** Flammable. In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Forms explosive air-vapour mixture.

**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:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

[cont...]

**SAFETY DATA SHEET**  
GEOCEL SILCON CLEANER

**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 into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

**6.4. Reference to other sections**

**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.  
Do not handle in a confined space. Avoid the formation or spread of mists in the air.  
Smoking is forbidden. Use non-sparking tools.

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

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area.  
Ensure lighting and electrical equipment are not a source of ignition.

**Suitable packaging:** Must only be kept in original packaging.

**7.3. Specific end use(s)**

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Hazardous ingredients:**

**XYLENE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	220 mg/m <sup>3</sup>	441 mg/m <sup>3</sup>	-	-

**ETHYLBENZENE**

UK	441 mg/m <sup>3</sup>	552 mg/m <sup>3</sup>	-	-
----	-----------------------	-----------------------	---	---

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

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

**Hand protection:** Impermeable gloves.

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Rubber apron. Impermeable protective clothing.

**SAFETY DATA SHEET**  
GEOCEL SILCON CLEANER

Page: 5

**Environmental:** Prevent from entering in public sewers or the immediate environment.

**Section 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**State:** Liquid  
**Colour:** Colourless  
**Odour:** Aromatic  
**Solubility in water:** Insoluble  
**Also soluble in:** Most organic solvents.  
**Viscosity:** Non-viscous  
**Boiling point/range°C:** 136  
**Autoflammability°C:** >432  
**Relative density:** 0.87  
**Flash point°C:** 24  
**Vapour pressure:** 50mbar@37.8

**9.2. Other information**

**Other information:** Not applicable.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions. Stable at room temperature.

**10.3. Possibility of hazardous reactions**

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.

**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 of carbon dioxide / carbon monoxide.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Relevant effects for mixture:**

Effect	Route	Basis
Acute toxicity (harmful)	INH DRM	Hazardous: calculated
Irritation	DRM	Hazardous: calculated

[cont...]

**SAFETY DATA SHEET**  
GEOCEL SILCON CLEANER

Page: 6

**Symptoms / routes of exposure**

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

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting and diarrhoea. The casualty may appear intoxicated. May cause dizziness.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Vapours evolved during curing may cause dizziness.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:**

Species	Test	Value	Units
Daphnia magna	48H EC50	1.0	mg/l
ALGAE	72H IC50	2.2	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** Insoluble in water.

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

**PBT identification:** This substance 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 of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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

**Section 14: Transport information**

**14.1. UN number**

**UN number:** UN1307

[cont...]

**SAFETY DATA SHEET**  
GEOCEL SILCON CLEANER

Page: 7

**14.2. UN proper shipping name**

Shipping name: XYLENES

**14.3. Transport hazard class(es)**

Transport class: 3

**14.4. Packing group**

Packing group: III

**14.5. Environmental hazards**

Environmentally hazardous: No

Marine pollutant: No

**14.6. Special precautions for user**

Tunnel code: D/E

Transport category: 3

**Section 15: Regulatory information**

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

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Phrases used in s.2 and 3:** H225: Highly flammable liquid and vapour.  
H226: Flammable liquid and vapour.  
H312: Harmful in contact with skin.  
H312+332: Harmful in contact with skin or if inhaled.  
H315: Causes skin irritation.  
H332: Harmful if inhaled.  
R10: Flammable.  
R11: Highly flammable.  
R20/21: Harmful by inhalation and in contact with skin.  
R20: Harmful by inhalation.  
R38: Irritating to skin.

**Legal disclaimer:** This product safety data sheet was prepared in compliance with Regulation (EC) No 1907/2006 (REACH) as well as the relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and mixtures.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure

[cont...]

**SAFETY DATA SHEET**  
GEOCEL SILCON CLEANER

**Page: 8**

that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the Geocel product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Geocel Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with Regulation (EC) No 453/2010.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. Geocel shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local Geocel supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary - even for the same product - between different countries, reflecting the different compliance requirements. Should you have any question, please refer to your local Geocel supplier.