

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** GEOCHEM ACRYLIC ROOFING COMPOUND  
**Company name:** Geocel Limited  
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Langage Science Park  
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## 2. HAZARDS IDENTIFICATION

**Main hazards:** Flammable. Irritating to eyes. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

- Hazardous ingredients:** 2-METHOXY-1-METHYLETHYL ACETATE 10-30%
- EINECS: 203-603-9 CAS: 108-65-6  
[-] R10; [Xi] R36
- MESITYLENE 1-10%  
EINECS: 203-604-4 CAS: 108-67-8  
[-] R10; [Xi] R37; [N] R51/53
  - CUMENE <1%  
EINECS: 202-704-5 CAS: 98-82-8  
[-] R10; [Xi] R37; [N] R51/53; [Xn] R65
  - 1,2,4-TRIMETHYLBENZENE 1-10%  
EINECS: 202-436-9 CAS: 95-63-6  
[-] R10; [Xn] R20; [Xi] R36/37/38; [N] R51/53
  - LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. 1-10%  
EINECS: 265-199-0 CAS: 64742-95-6  
[T] R46; [Xn] R65; [-] R10; [Xi] R37; [N] R51/53
  - ALKANES, C14-17, CHLORO 1-10%  
EINECS: 287-477-0 CAS: 85535-85-9  
[-] R64; [-] R66; [N] R50/53
  - QUATERNARY AMMONIUM SALT <1%  
EINECS: 263-082-9 CAS: 61789-73-9  
[Xn] R22; [Xi] R38; [Xi] R41; [N] R50; [-] R10

**SAFETY DATA SHEET**  
GEOCHEM ACRYLIC ROOFING COMPOUND

**4. FIRST AID MEASURES (SYMPTOMS)**

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

**4. FIRST AID MEASURES (ACTION)**

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.
- 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. Consult a doctor.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

**5. FIRE-FIGHTING MEASURES**

- Extinguishing media:** Carbon dioxide.
- Exposure hazards:** In combustion emits toxic fumes.
- Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

- 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. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition. Evacuate the area immediately.
- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.
- Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

**7. HANDLING AND STORAGE**

- 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. Use non-sparking tools. Smoking is forbidden.
- Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Hazardous ingredients:** 2-METHOXY-1-METHYLETHYL ACETATE  
WEL (8 hr TWA): 274 mg/m<sup>3</sup> WEL (15 min STEL): 548 mg/m<sup>3</sup>
- CUMENE  
WEL (8 hr TWA): 125 mg/m<sup>3</sup> WEL (15 min STEL): 250 mg/m<sup>3</sup>

**SAFETY DATA SHEET**  
GEOCHEM ACRYLIC ROOFING COMPOUND

- 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:** Tightly fitting safety goggles. Ensure eye bath is to hand.
- Skin protection:** Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** Liquid
- Colour:** Grey
- Odour:** Characteristic odour
- Boiling point/range°C:** 145 - 181
- Flash point°C:** 41

## 10. STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions.
- Conditions to avoid:** Heat. Sources of ignition. Flames.
- Materials to avoid:** Oxidising agents.
- Haz. decomp. products:** In combustion emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

- Hazardous ingredients:** 2-METHOXY-1-METHYLETHYL ACETATE
- IPR MUS LD50 750 mg/kg
- ORL RAT LD50 8532 mg/kg
- MESITYLENE
- IPR GPG LDLO 1303 mg/kg
- CUMENE
- ORL MUS LD50 12750 mg/kg
- ORL RAT LD50 1400 mg/kg
- 1,2,4-TRIMETHYLBENZENE
- IPR RAT LDLO 1752 mg/kg
- ORL RAT LD50 5 gm/kg
- LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.
- ORL RAT LD50 8400 mg/kg
- Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

## 12. ECOLOGICAL INFORMATION

- Other adverse effects:** Toxic to aquatic organisms.

**SAFETY DATA SHEET**  
GEOCHEM ACRYLIC ROOFING COMPOUND

**13. DISPOSAL CONSIDERATIONS**

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

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

**14. TRANSPORT INFORMATION****ADR / RID**

<b>UN no:</b> 1263	<b>ADR Class:</b> 3
<b>Packing group:</b> III	<b>Classification code:</b> F1
<b>Shipping name:</b> PAINT	
<b>Labelling:</b> 3	<b>Hazard ID no:</b> 30

**IMDG / IMO**

<b>UN no:</b> 1263	<b>Class:</b> 3
<b>Packing group:</b> III	<b>EmS:</b> F-E,S-E*
<b>Marine pollutant:</b> .	
<b>Labelling:</b> 3	

**IATA / ICAO**

<b>UN no:</b> 1263	<b>Class:</b> 3
<b>Packing group:</b> III	
<b>Packing instructions:</b> 309(P&CA); 310(CAO)	
<b>Labelling:</b> 3	

**15. REGULATORY INFORMATION**

**Hazard symbols:** Irritant.  
Dangerous for the environment.



**Risk phrases:** R10: Flammable.  
R36: Irritating to eyes.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

**SAFETY DATA SHEET**  
GEOCHEM ACRYLIC ROOFING COMPOUND

advice.

S29: Do not empty into drains.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

**Haz. ingredients (label):** 2-METHOXY-1-METHYLETHYL ACETATE; MESITYLENE; 1,2,4-TRIMETHYLBENZENE;  
LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM),  
LIGHT AROM.; ALKANES, C14-17, CHLORO

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16. OTHER INFORMATION

**Risk phrases used in s.3:** R10: Flammable.  
R36: Irritating to eyes.  
R37: Irritating to respiratory system.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65: Harmful: may cause lung damage if swallowed.  
R20: Harmful by inhalation.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R46: May cause heritable genetic damage.  
R64: May cause harm to breastfed babies.  
R66: Repeated exposure may cause skin dryness or cracking.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R22: Harmful if swallowed.  
R38: Irritating to skin.  
R41: Risk of serious damage to eyes.  
R50: Very toxic to aquatic organisms.

**Legal disclaimer:** This product safety data sheet was prepared in compliance with Art.31 and Annex II of Regulation (EC) No 1907/2006 (REACH) as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

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

**SAFETY DATA SHEET**  
GEOCHEM ACRYLIC ROOFING COMPOUND

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 1907/2006.

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.