SAFETY DATA SHEET
GEOCEL 260 FAST CURE PAVEMENT SEALANT BASE COMPONENT

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

Product name: GEOCEL 260 FAST CURE PAVEMENT SEALANT BASE COMPONENT

Company name: Geocel Limited
Western Wood Way
Langage Science Park
Plympton
Plymouth
PL7 5BG
Tel: 01752 202060
Fax: 01752 334384

2. HAZARDS IDENTIFICATION

Main hazards: Harmful by inhalation and if swallowed. Irritating to eyes and respiratory system. May cause sensitisation by skin contact.

Other hazards: Harmful by inhalation. Harmful if swallowed. Irritating to eyes. Irritating to skin. May cause sensitisation by skin contact.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients:
- HYDROCARBON EXTENDER 10-30% [Xj] R36/38
- HYDROCARBON RESIN 30-50% [Xi] R37
- ALKYLATED TOLUENE DIAMINE 10-30% [Xn] R21/22; [Xi] R36

4. FIRST AID MEASURES (SYMPTOMS)

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.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

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.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

[cont...]
5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.

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: 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.

Environmental precautions: Do not discharge into drains or rivers.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Gas/vapour filter, type A: organic vapours (EN141).

Hand protection: Protective gloves. PVC gloves.

Eye protection: Safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Paste

Odour: Characteristic odour

Solubility in water: Insoluble

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Hazardous polymerisation may occur if large quantity of base and hardener mixed

Conditions to avoid: Heat. Sources of ignition.

Materials to avoid: Strong oxidising agents. Strong acids. Strong bases.

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

[cont...]
11. TOXICOLOGICAL INFORMATION

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

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

UN no: 2810  Packing group: III

IMDG / IMO

Class: 6.1  EmS: 6.1 - 0.2

IATA / ICAO

Class: 6.1

15. REGULATORY INFORMATION

Hazard symbols: Harmful.

Risk phrases: R20/22: Harmful by inhalation and if swallowed.
R36/37: Irritating to eyes and respiratory system.
R43: May cause sensitisation by skin contact.

Safety phrases: S24: Avoid contact with skin.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S29: In case of contact with skin, wash after removal of contaminated clothing.
S46: If swallowed, seek medical advice immediately and show this container or label.

Haz. ingredients (label): HYDROCARBON RESIN, ALKYLATED TOLUENE DIAMINE

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.

[cont...]
16. OTHER INFORMATION

**Risk phrases used in s.3:**

R36/38: Irritating to eyes and skin.
R37: Irritating to respiratory system.
R21/22: Harmful in contact with skin and if swallowed.
R36: Irritating to eyes.

**Legal disclaimer:**

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

<table>
<thead>
<tr>
<th>Product name</th>
<th>GEOCEL 260 FAST CURE PAVEMENT SEALANT HARDENER COMPONENT</th>
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</thead>
<tbody>
<tr>
<td>Company name</td>
<td>Geocel Limited</td>
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<tr>
<td></td>
<td>Western Wood Way</td>
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<td>Tel: 01752 202060</td>
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<td></td>
<td>Fax: 01752 334384</td>
</tr>
</tbody>
</table>

2. HAZARDS IDENTIFICATION

Main hazards: Harmful by inhalation and if swallowed. Irritating to eyes and skin. May cause sensitisation by skin contact.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: ISOCYANATE PREPOLYMER >90%

[Xn] R20/22; [Xi] R36/38; [Sens.] R43

Contains: Isocyanate prepolymer Xn

4. FIRST AID MEASURES (SYMPTOMS)

<table>
<thead>
<tr>
<th>Skin contact</th>
<th>There may be irritation and redness at the site of contact.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>There may be irritation and redness. The eyes may water profusely.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>There may be irritation of the throat with a feeling of tightness in the chest.</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES (ACTION)

<table>
<thead>
<tr>
<th>Skin contact</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>Bathe the eye with running water for 15 minutes. Consult a doctor.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.</td>
</tr>
</tbody>
</table>

5. FIRE-FIGHTING MEASURES

<table>
<thead>
<tr>
<th>Extinguishing media</th>
<th>Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exposure hazards</td>
<td>In combustion emits toxic fumes.</td>
</tr>
</tbody>
</table>
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: 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.

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.

7. HANDLING AND STORAGE

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.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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: Impermeable gloves.

Eye protection: Safety goggles. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Yellow

Odour: Characteristic odour

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. Sources of ignition.

Materials to avoid: Strong oxidising agents. Strong acids. Strong bases.

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

11. TOXICOLOGICAL INFORMATION

Chronic toxicity: May cause sensitisation by skin contact.

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

[cont...]
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

UN no: 2206
ADR Class: III

IMDG / IMO

Class: 6.1
EmS: 6.1 0.2

IATA / ICAO

Class: 6.1 19°C

15. REGULATORY INFORMATION

Hazard symbols: Harmful.

Risk phrases: R20/22: Harmful by inhalation and if swallowed.
R36/38: Irritating to eyes and skin.
R43: May cause sensitisation by skin contact.

Safety phrases: S24: Avoid contact with skin.
S37/39: Wear suitable gloves and eye / face protection.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S29: Do not empty into drains.
S46: If swallowed, seek medical advice immediately and show this container or label.

Precautionary phrases: Contains isocyanates. See information supplied by the manufacturer.

Haz. ingredients (label): ISOCYANATE PREPOLYMER

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: R20/22: Harmful by inhalation and if swallowed.
R36/38: Irritating to eyes and skin.
R43: May cause sensitisation by skin contact.

[cont...]
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SAFETY DATA SHEET
GEOCEL 260 FAST CURE PAVEMENT SEALANT PRIMER

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

Product name: GEOCEL 260 FAST CURE PAVEMENT SEALANT PRIMER
Company name: Geocel Limited
Western Wood Way
Langage Science Park
Plympton
Plymouth
PL7 5BG
Tel: 01752 202060
Fax: 01752 334384

2. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Irritating to eyes. Irritating to skin. Harmful by inhalation and if swallowed. May cause sensitisation by skin contact. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients:
- ALIPHATIC POLYISOCYANATE IN XYLENE 1-10%
  [F] R11; [Xn] R20
- ETHYL METHYL KETONE 10-30%
  EINECS: 201-159-0  CAS: 78-93-3
  [F] R11; [Xi] R36; [-] R66; [-] R67

4. FIRST AID MEASURES (SYMPTOMS)

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.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

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.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

[cont...]
5. FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol resistant foam. Carbon dioxide. Dry chemical powder.
Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.
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: 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.
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. Do not use equipment in clean-up procedure which may produce sparks.

7. HANDLING AND STORAGE

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.
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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: ETHYL METHYL KETONE
WEL (8 hr TWA): 600 mg/m3  WEL (15 min STEL): 899 mg/m3
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: Protective gloves.
Eye protection: Safety glasses. Ensure eye bath is to hand.
Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
Colour: Black
Odour: Sweet-smelling

[cont...]
Boiling point/range°C: 79
Flash point°C: -4

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Stable at room temperature.
Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.

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

UN no: 1133
ADR Class: 3
Packing group: II

IMDG / IMO

Class: 3.2
EmS: 3 05

IATA / ICAO

Class: DGR 3

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.
Irritant.

Risk phrases: R11: Highly flammable.
R36: Irritating to eyes.
R38: Irritating to skin.
R20/22: Harmful by inhalation and if swallowed.
R43: May cause sensitisation by skin contact.

[cont...]
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

**Safety phrases:**

S9: Keep container in a well-ventilated place.
S16: Keep away from sources of ignition - No smoking.
S24: Avoid contact with skin.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S33: Take precautionary measures against static discharges.
S37: Wear suitable gloves.
S46: If swallowed, seek medical advice immediately and show this container or label.

**Precautionary phrases:**

Contains isocyanates. See information supplied by the manufacturer.

**Haz. ingredients (label):**

ETHYL METHYL KETONE

**Note:**

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**16. OTHER INFORMATION**

**Risk phrases used in s.3:**

R11: Highly flammable.
R20: Harmful by inhalation.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

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