

PRODUCT SAFETY DATA SHEET

According to EC directive 91/155/EEC and subsequent amendments

Version: 1.0

Revision Date: 24.08.06

GEOCHEM MULTIPURPOSE SEALER

1. Identification of the Product.

Commercial Name:	Geochem Multipurpose Sealer
Name and Address of Supplier:	Geocel Limited Western Wood Way Langage Science Park Plympton Plymouth PL7 5BG United Kingdom
Main Switchboard:	+44 (01752) 202060
Main Fax:	+44 (01752) 334384

2. Composition/Information on Ingredients.

Ingredient Name	CAS No.	EEC No.	Content	Health (Class)	Risk (R No.)
1:2:4 Trimethylbenzene		202-436-9	25% w/w	Xn	10,20,36/37/38

3. Hazards Identification.

Fire	:	Flammable
Environment	:	Toxic to aquatic environment.
<u>Health</u>		
Inhalation	:	Irritant. May cause drowsiness, dizziness and ultimately unconsciousness.
Eye Contact	:	Irritant.
Skin Contact	:	Irritant. May cause Dermatitis.
Ingestion	:	Low viscosity product. If vomiting occurs after ingestion, harmful or fatal if aspirated into the lungs.

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4. First Aid.

- Inhalation** : Remove to fresh air. If unconscious place in recovery position. Seek medical attention.
- Eye Contact** : Flush out with clean water for 10 minutes. Seek medical attention.
- Skin Contact** : Wash with soap and water.
- Ingestion** : DO NOT induce vomiting. Place in recovery position. Seek medical help.

5. Fire-Fighting Measures.

- Extinguishing media** : Use carbon dioxide, dry chemical, foam, sand, earth or water fog.
- Protective Measures in Fire** : Keep containers cool by spraying with water.

6. Accidental Release Measures.

- Personal Protection During Spill** : Wear gloves, safety glasses and protective overalls.
- Precautions to Protect the Environment** : Prevent entry to drains and waterways.
- Spillage Clean up Method** : Absorb with suitable inert material (sand, earth etc) and place in suitable container.

7. Handling and Storage.

- Usage Precautions** : Ensure good local ventilation. Pump at no greater than 7 metres per second.
- Storage Criteria** : Keep in tightly closed, clearly labelled containers. No smoking. Protect from naked flames, hot elements or other sources of ignition.

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8. Exposure Controls and Personal Protection.

1:2:4 Trimethylbenzene : WEL 150 ppm

Personal Protective Equipment : Wear impervious gloves and suitable eye protection.

Hygienic Work Routines : Employ good standards of hygiene and safety. Wash hands after handling product and before eating or drinking.

9. Physical and Chemical Properties.

Appearance	: Liquid	Colour	: Colourless
Odour	: Aromatic	Evaporation rate	: 47 (Ether =1)
Solubility in water	: Insoluble	Density Kg/l @ 15°C	: 0.882
Flash Point	: 43°C	Freeze Point	: Not determined
Boiling Point	: 162-181°C	Auto ignition temp	: 450°C
Explosion Limits	: 0.8 – 7.5	Vapour Density gm/l @ 20°C	: 5.1
Vapour Pressure Kpa 20°C	: 0.29	Viscosity c. St. @ 20°C	: 0.97

10. Stability and Reactivity.

Stability : Stable at normal temperatures and pressures. Not reactive at normal temperatures and pressures.

Materials to avoid : None known

11. Toxicological Information.

Inhalation : Not available

Skin Contact : Not available

Eye Contact : Not available

Ingestion : Not available

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12. Ecological Information.

LL50	Fish	Low 1	High 10
LL50	Daphnia	Low 1	High 10
LL50	Algae	Low 1	High 10

13. Disposal Considerations.

Disposal Methods : This material must be disposed of via an authorised waste disposal company in accordance with local or national disposal regulations.

14. Transport Information.

CAS No.	: 64742-95-6	Trans. Cat	: 3
UN No.	: 1268	Marine Pollutant	: P
E.M.S.	: 3.07	EEC No.	: 256-199-0
IMDG	: Class 3.3 Code Page 375	ADR	: 3 31°C
MFAG	: 311	Emergency Action Code	: 3 (Y)
ICAO/IATA	: 3	Packaging Number	: 3

15. Regulatory Information.

Label for Supply	: Xn Harmful
	: N Dangerous for the environment
Risk Phrases	: R10 : Flammable
	: R20 : Harmful by inhalation
	: R36/37/38 : Irritating to eyes, skin and respiratory system.
	: R51/53 : Toxic to aquatic organisms. May cause long term effects in the aquatic environment.
	: R65 : Harmful, may cause lung damage if swallowed.
Safety Phrases	: S24/25 : Avoid contact with eyes and skin.
	: S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	: S37 : Wear suitable gloves.
	: S43 : In case of fire use foam or dry powder.
	: S51 : Use only in well ventilated areas.
	: S61 : Avoid release into the environment. Refer to special instructions
	: S62 : If swallowed DO NOT induce vomiting. Seek medical help immediately. Show this container or label.
	: S23 : Do not breathe gas/fumes/vapour or spray.

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16. Other Information.

This product safety data sheet was prepared in compliance with Commission Directive 91/155/EEC, 67/548/EEC and 1999/45/EC 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 ensure the transfer of all relevant information from the Geocel Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with Commission Directive 1999/45/EC.

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.