

PRODUCT SAFETY DATA SHEET

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

Version: 1.0

Revision Date: 01/01/02

GEOCEL JOINERS MATE LIQUID

1. Identification of the Product.

Commercial Name: Geocel Joiners Mate Liquid
 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.

Chemical characterisation:

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous Components:

CAS:26447-40-5	4,4'- diphenylmethane-diisocyanate, isomeres + mixtures.	25-50%
EINECS:247-714-0	Xn: R20-36/37/38-42/43	

Additional Information: For the wording of the listed risk phrases refer to section 16.

3. Hazards Identification.

Hazard Description:

Xn Harmful

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the 'General Classification Guideline Preparations of the EU' in the latest version.

R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R42/43	May cause sensitisation by inhalation and skin contact.

Classification system:

The classification is in line with current EC lists. It is extended, by information from technical literature and company information.

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4. First Aid.

General information:

Symptoms of poisoning may even occur several hours, therefore medical observation for at least 48 hours after the accident.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for at least 10 minutes under running water. Consult a doctor.

After swallowing:

Do not induce vomiting, call for medical help immediately.

5. Fire-Fighting Measures.

Suitable extinguishing agents:

CO₂, sand, extinguishing powder. Do not use water.

Fight larger fires with alcohol resistant foam.

For safety reasons unsuitable extinguishing agents:

Water.

Protective equipment:

Mount respiratory protective device and wear protective equipment.

6. Accidental Release Measures.

Person related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Prevent seepage into sewage system, workpits and cellars.

Measures for cleaning / collecting:

Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

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7. Handling and Storage.

Handling:

Information for safe handling:

Ensure good ventilation / exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire – and explosion protection:

Keep ignition sources away – Do not smoke.

Storage:

Requirements to be met by storerooms and receptacles:

No special requirements.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Store in a cool dry place in tightly closed packaging.

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8. Exposure Controls and Personal Protection.

Additional information about design of technical facilities:

No further data, see section 7

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the skin and eyes.
Do not eat, drink or smoke while working.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles.

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9. Physical and Chemical Properties.

General information:

Form: Fluid
Colour: Brown
Odour: Characteristic

Change in condition

Melting point / Melting range:	Undetermined
Boiling point / Melting range:	200°C
Flash point:	>55°C
Self-Igniting:	Product is not self-igniting
Danger of explosion:	Product does not present an explosion hazard.
Density at 20°C:	1.1g/cm ³
Solubility in / Miscibility with Water:	Insoluble

10. Stability and Reactivity.

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known

Dangerous decomposition products:

No dangerous decomposition products known at room temperature.

11. Toxicological Information.

Acute toxicity:

Primary irritant effect:

On the skin: Irritant to skin and mucous membranes.

On the eye: Irritating effect.

Sensitisation:

Sensitisation possible through inhalation

Sensitisation possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Irritant

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12. Ecological Information.

General notes: Not known to be hazardous to water.

13. Disposal Considerations.

Product:

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation

Disposal must be made according to official regulations.

14. Transport Information.

Maritime transport IMDG

Marine pollutant: No

15. Regulatory Information.

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

Code letter and hazard designation of product:

Xn Harmful

Hazard determining components of labelling:

4,4'- diphenylmethane-diisocyanate, isomeres + mixtures

Risk phrases:

R20 Harmful by inhalation
 R36/37/38 Irritating to eyes, respiratory system and skin.
 R42/43 May cause sensitisation by inhalation and skin contact.

Safety phrases:

S2 Keep out of reach of children
 S23 Do not breathe fumes
 S24 Avoid contact with skin
 S37 Wear suitable gloves
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 S60 This material and its container must be disposed of as hazardous waste.

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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.

This product should only be used as stated in Geocel's literature. It is the responsibility of the persons in receipt of this 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 to contact with the product. If the recipient subsequently produces a formulation containing the Geocel product, it is the recipients 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 the 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.