

PRODUCT SAFETY DATA SHEET

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

Version: 1.0

Revision Date: 22/05/03

GEOCEL® JOINERS MATE 5 MINUTE**1. Identification of the Product.**

Commercial Name: Geocel® Joiners Mate 5 minute
 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 characterization:**

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

Dangerous components:		
9016-87-9	diphenylmethanediisocyanate, isomeres and homologues Xn; 20-36/37/38-42/43	25-50%

3. Hazards Identification.**Hazard description:**

Xn Harmful

Information concerning particular hazards for human and environment:

R 20 Harmful by inhalation.
 R 36/37/38 Irritating to eyes, respiratory system and skin.
 R 42/43 May cause sensitization by inhalation and skin contact.
 Contains isocyanates. See information supplied by the manufacturer.

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 after 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 stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Do not induce vomiting; call for medical help immediately.

5. Fire-Fighting Measures.

Suitable extinguishing agents:

Carbon dioxide
Water haze
Alcohol resistant foam
Fire-extinguishing powder

For safety reasons unsuitable extinguishing agents:

Water with full jet

Protective equipment:

Mount respiratory protective device.

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6. Accidental Release Measures.

Person-related safety precautions:

Ensure adequate ventilation

Avoid eye contact. Avoid long term or frequent skin contact. Do not inhale vapour.

Wear protective clothing.

Keep away from children.

Measures for environmental protection:

Do not allow to enter sewers/ surface or ground water.

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.

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:

No special measures required.

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store in well-closed packaging; keep away from sources of ignition.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Keep container tightly sealed.

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8. Exposure Controls and Personal Protection.

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:	
9016-87-9 diphenylmethanediisocyanate, isomeres and homologues	
MEL	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO

Additional information:

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 eyes and skin.

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

Eye protection:

Tightly sealed goggles

Body protection:

Use protective suit.

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9. Physical and Chemical Properties.

Form: Thixotrope.
Colour: According to product specification
Odour: Characteristic

Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.
Flash point: > 100°C
Ignition temperature: 400°C
Self-igniting: Product is not self igniting.
Danger of explosion: Product does not present an explosion hazard.
Density at 20°C: 1.1 g/cm³
Solubility in / Miscibility with water: Not miscible or difficult to mix.

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.

11. Toxicological Information.

Acute toxicity:

Primary irritant effect:

On the skin: Irritant to skin and mucous membranes.

On the eye: Irritating effect.

Sensitization:

Sensitization possible through inhalation.

Sensitization 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:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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.

Land transport ADR/RID (cross-border)

ADR/RID class: -

Maritime transport IMDG:

IMDG Class: -

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: -

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15. Regulatory Information.

Labeling according to EU guidelines:

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

Code letter and hazard designation of product:

Xn Harmful

Hazard-determining components of labelling:

diphenylmethanediisocyanate, isomeres and homologues

Risk phrases:

20 Harmful by inhalation.

36/37/38 Irritating to eyes, respiratory system and skin.

42/43 May cause sensitization by inhalation and skin contact.

Safety phrases:

2 Keep out of the reach of children.

9 Keep container in a well-ventilated place.

24 Avoid contact with skin.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Special labelling of certain preparations:

Contains isocyanates. See information supplied by the manufacturer.

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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.