

SAFETY DATA SHEET

GEOCEL JOINERS MATE MITRE BOND ACTIVATOR

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Issued: 26/08/10

Revision No: 3

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

Product name: GEOCEL JOINERS MATE MITRE BOND ACTIVATOR
Company name: Geocel Limited
Western Wood Way
Langage Science Park
Plympton
Plymouth
PL7 5BG
Tel: 01752 202060
Fax: 01752 334384
Email: technical@geocel.co.uk

2. HAZARDS IDENTIFICATION

Classification under CHIP: Extremely flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.
Workplace exposure limit: This product does not have a workplace exposure limit.
PBT: This substance is not identified as a PBT substance.
Directive 1999/45/EC: This mixture meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.
Other hazards: In use, may form flammable / explosive vapour-air mixture.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: PROPAN-2-OL 50-70%
EINECS: 200-661-7 CAS: 67-63-0
[F] R11; [Xi] R36; [-] R67

- N,N-DIMETHYL-P-TOLUIDINE <1%
EINECS: 202-805-4 CAS: 99-97-8
[T] R23/24/25; [Xn] R33; [-] R52/53
- BUTANE 10-30%
EINECS: 203-448-7 CAS: 106-97-8
[F+] R12

4. FIRST AID MEASURES

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. 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: Carbon dioxide. Alcohol or polymer foam. Dry chemical powder. Use water spray to cool containers. Do not use water.

Exposure hazards: Extremely flammable. Vapour may travel considerable distance to source of ignition and flash back. In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

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: Eliminate all sources of ignition. Evacuate the area immediately. 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. Do not use equipment in clean-up procedure which may produce sparks.

7. HANDLING AND STORAGE

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

Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep away from direct sunlight. Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: PROPAN-2-OL
UK - 8 hour TWA: 999 mg/m³
UK - 15 min. STEL: 1250 mg/m³

- BUTANE
UK - 8 hour TWA: 1450 mg/m³
UK - 15 min. STEL: 1810 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: Gas/vapour filter, type A: organic vapours (EN141). Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Nitrile gloves. Butyl gloves.

Eye protection: Safety glasses with side-shields. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State:	Aerosol
Colour:	Colourless
Odour:	Alcoholic
Evaporation rate:	Moderate
Oxidising:	Non-oxidising (by EC criteria)
Solubility in water:	Miscible
Also soluble in:	Diethyl ether.
Viscosity:	Non-viscous
Kinematic visc. 40°C (mm²/s):	2
Viscosity test method:	Kinematic viscosity in 10-6 m ² /s at 40°C (ISO 3104/3105)
Boiling point/range°C:	~-40
Flammability limits %: lower:	1.8
upper:	12.7
Flash point°C:	-40
Part.coeff. n-octanol/water:	<3
Autoflammability°C:	410
Relative density:	0.80
pH:	n/a

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to avoid:	Heat. Sources of ignition. Flames. Direct sunlight.
Materials to avoid:	Strong oxidising agents. Strong acids.
Haz. decomp. products:	In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Acute effects: Irritating to eyes.

11. TOXICOLOGICAL INFORMATION (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:	Headaches or general malaise may result. Nausea and stomach pain may occur.
Inhalation:	Drowsiness or mental confusion may occur. Nausea and stomach pain may occur. Exposure may cause coughing or wheezing.

12. ECOLOGICAL INFORMATION

Mobility:	Highly volatile. Soluble in water. Readily absorbed into soil.
Persistence and degradability:	Rapidly biodegradable.

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Bioaccumulative potential: No bioaccumulation potential.
Other adverse effects: Negligible ecotoxicity.
PBT identification: This substance is not identified as a PBT substance.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Tipping above or underground (e.g. landfill, etc.).
Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
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: 1950 **ADR Class:** 2
Classification code: 5F
Shipping name: AEROSOLS
Labelling: 2.1



IMDG / IMO

UN no: 1950 **Class:** 2
EmS: F-D,S-U **Marine pollutant:** .
Labelling: 2.1

IATA / ICAO

UN no: 1950 **Class:** 2
Labelling: 2.1

15. REGULATORY INFORMATION (CHIP)

Hazard symbols: Extremely flammable.
Irritant.



Risk phrases: R12: Extremely flammable.
R36: Irritating to eyes.
R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S2: Keep out of the reach of children.
S16: Keep away from sources of ignition - No smoking.

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S23: Do not breathe vapour/spray.

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S35: This material and its container must be disposed of in a safe way.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S51: Use only in well-ventilated areas.

Precautionary phrases: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Haz. ingredients (label): PROPAN-2-OL

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: R11: Highly flammable.
R36: Irritating to eyes.
R67: Vapours may cause drowsiness and dizziness.
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
R33: Danger of cumulative effects.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R12: Extremely flammable.

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 ensure the transfer of all relevant information from the Geocel Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with

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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.

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GEOCEL JOINERS MATE MITRE BOND ADHESIVE

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Product name: GEOCEL JOINERS MATE MITRE BOND ADHESIVE
Company name: Geocel Limited
Western Wood Way
Langage Science Park
Plympton
Plymouth
PL7 5BG
Tel: 01752 202060
Fax: 01752 334384
Email: technical@geocel.co.uk

2. HAZARDS IDENTIFICATION

Classification under CHIP: Irritating to eyes, respiratory system and skin.
Workplace exposure limit: This product does not have a workplace exposure limit.
PBT: This substance is not identified as a PBT substance.
Directive 1999/45/EC: This mixture meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: ETHYL-2-CYANOACRYLATE 70-90%
EINECS: 230-391-5 CAS: 7085-85-0
[Xi] R36/37/38

4. FIRST AID MEASURES

Skin contact: Do not pull bonded skin apart. Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Any bonded skin should be gently peeled apart with the aid of a blunt object, preferably after soaking in warm, soapy water. If irritation persists, obtain medical attention. In the case of large spills on skin, superficial burns may occur - treat accordingly.

Eye contact: Cyanoacrylates bond eyelids in seconds. Bathe the eye with running water for 15 minutes. Take care not to wash chemical from one eye to another. If the eyelid is bonded closed, do not force open. Cover with a wet pad soaked in warm water. Get prompt medical attention, in case solid particles of cured cyanoacrylate trapped behind the eye cause abrasive damage. Keep eye covered with wet pad until debonding is complete, usually 1 - 3 days. (Cyanoacrylate will bond to eye protein, causing a lachrymatory effect that aids debonding).

Ingestion: Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of

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possible choking hazard. Saliva will separate the solidified product from the mouth over a period of hours. 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: Alcohol resistant foam. Dry chemical powder. Carbon dioxide. Water spray. Use water spray to cool containers.

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

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

Hazardous ingredients: ETHYL-2-CYANOACRYLATE
UK - 15 min. STEL: 1.5 mg/m³

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

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Half face filtering respirator (EN140).

Hand protection: Protective gloves. Viton gloves.

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

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

Odour: Pungent

Solubility in water: Insoluble

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Also soluble in: Most organic solvents.
Viscosity: Non-viscous
Boiling point/range°C: >150
Melting point/range°C: ca -30
Flash point°C: >85
Vapour pressure: ca 0.04 mm Hg @ 25
Relative density: ca. 1.08
pH: 6 - 7

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Heat. Direct sunlight. Moist air. Hazardous exothermic polymerisation can occur if exposed to moisture.
Materials to avoid: Strong oxidising agents. Water. Alkalis. Amines Alcohols. Will polymerise rapidly in contact with these agents.
Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Acute effects: Irritating to eyes, respiratory system and skin.

11. TOXICOLOGICAL INFORMATION (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.

12. ECOLOGICAL INFORMATION

Persistence and degradability: Not biodegradable.
Bioaccumulative potential: No bioaccumulation potential.
Other adverse effects: Negligible ecotoxicity.
PBT identification: This substance is not identified as a PBT substance.

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

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ADR / RID

UN no: 3334 **ADR Class:** 9
Classification code: M11
Shipping name: AVIATION REGULATED LIQUID, N.O.S. ((cyanoacrylate ester))
Labelling: 9



IMDG / IMO

UN no: 3334 **Class:** 9
Marine pollutant: NO **Labelling:** 9

IATA / ICAO

UN no: 3334 **Class:** 9
Packing instructions: 906 **Labelling:** 9

15. REGULATORY INFORMATION (CHIP)

Hazard symbols: Irritant.



Risk phrases: R36/37/38: Irritating to eyes, respiratory system and skin.

Safety phrases: S2: Keep out of the reach of children.

S23: Do not breathe fumes/vapour.

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37: Wear suitable gloves.

Precautionary phrases: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

Haz. ingredients (label): ETHYL-2-CYANOACRYLATE

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: R36/37/38: Irritating to eyes, respiratory system and skin.

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