

## SAFETY DATA SHEET

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### Permabond TA4300B

Revision 0  
Revision date

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

**Product name** Permabond TA4300B  
**Company** Permabond Engineering Adhesives Ltd  
 Wessex Business Park  
 Wessex Way  
 Colden Common  
 Hampshire  
 SO21 1WP  
 United Kingdom  
**Telephone** +44 (0)1962 711661  
**Fax** +44 (0)1962 711662  
**Intended use** Adhesives.

#### 2 HAZARDS IDENTIFICATION.

**Main hazards** Highly flammable. Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.  
**Personal precautions** No precautions required to be mentioned.  
**Environmental precautions** No environmental requirements.

#### 3 . COMPOSITION / INFORMATION ON INGREDIENTS.

##### Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Methyl methacrylate	50 - 100%	80-62-6	201-297-1	F; R11 Xi; R37/38 R43
Butanal, reaction products with aniline	5 - 10%	68411-20-1		Xi;R36

#### 4. FIRST AID MEASURES

**Skin contact** Wash with soap and water. Seek medical attention if irritation or symptoms persist.  
**Eye contact** Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Get medical attention if irritation persists.  
**Inhalation** Move the exposed person to fresh air. If symptoms develop, obtain medical attention.  
**Ingestion** Treat symptomatically and supportively. If symptoms develop, obtain medical attention.

#### 5. FIRE FIGHTING MEASURES

**Extinguishing media** Carbon dioxide (CO2) Dry chemical. Foam.  
**Fire hazards** Vapour may travel considerable distance to source of ignition and flash back. Burning produces irritating, toxic and obnoxious fumes. Carbon monoxide, carbon dioxide, and unknown hydrocarbons.  
**Protective equipment** In case of fire and/or explosion do not breathe fumes. Wear: Self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Eliminate all sources of ignition. Ensure adequate ventilation of the working area. Do not breathe vapour. Wear suitable protective clothing, gloves and eye/face protection.
<b>Environmental precautions</b>	Do not allow product to enter drains. Do not flush into surface water. Do not let product contaminate subsoil.
<b>Clean up methods</b>	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with eyes and skin. Use in a well ventilated area. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.
<b>Storage</b>	Keep container tightly closed and in a well-ventilated place. Store at temperatures below 25 °C. Store in a cool, dry area.
<b>Suitable packaging</b>	Do not repack.
<b>Specific use</b>	This product is not recommended for use in joints which will be in contact with steam.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limits

Methyl methacrylate	WEL 8-hr limit ppm: 50 WEL 15 min limit ppm: 100	WEL 8-hr limit mg/m <sup>3</sup> : 208 WEL 15 min limit mg/m <sup>3</sup> : 416
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<b>Engineering measures</b>	Normal (mechanical) room ventilation should be adequate for small volumes. For higher volume activities, or if needed for worker comfort, local mechanical exhaust should be provided.
<b>Respiratory protection</b>	Not normally required.
<b>Hand protection</b>	Employee must wear appropriate protective gloves to prevent contact with this substance. Nitrile rubber or Viton™ gloves are recommended. Cotton or other absorbent gloves should not be worn. Gloves should conform to EN 374.
<b>Eye protection</b>	Safety glasses, goggles or face shield to protect against splashing. Personal eye protection should conform to EN 166
<b>Protective equipment</b>	Employee must wear appropriate protective clothing and equipment to prevent any possibility of skin contact with this substance. Wash hands before eating, drinking, or using toilet facilities.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Description</b>	Viscous liquid.
<b>Colour</b>	Off white.
<b>Odour</b>	Acrylic.
<b>Boiling point</b>	100°C
<b>Flash point</b>	11°C
<b>Vapour pressure</b>	28mm Hg
<b>Relative density</b>	1.02
<b>Water solubility</b>	insoluble in water.
<b>Viscosity</b>	~50000 mPa.s
<b>Vapour density</b>	3.46 (air=1)

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## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	Heat, sparks and open flames.
<b>Materials to avoid</b>	Bases. Oxidising agents.
<b>Hazardous decomposition products</b>	Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

## 11. TOXICOLOGICAL INFORMATION

<b>Corrosivity</b>	Irritating to eyes, respiratory system and skin.
<b>Sensitization</b>	May cause sensitisation by skin contact.
<b>Mutagenic effects</b>	None known .
<b>Carcinogenic effects</b>	None known .
<b>Further information</b>	The toxicological properties of this product have not been fully evaluated. Use of good industrial hygiene practices is required. Avoid direct contact with skin or eyes. Do not ingest or inhale.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No data is available on this product.
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## 13. DISPOSAL CONSIDERATIONS

<b>General information</b>	Waste disposal should be in accordance with existing Community, National and local regulations.
<b>Disposal of packaging</b>	Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

## 14. TRANSPORT INFORMATION

### ADR/RID

UN 1993	Packing group II
Class 3	Hazard ID 33
<b>Proper Shipping Name</b> (contains Methyl Methacrylate).	FLAMMABLE LIQUID, N.O.S,

### IMDG

UN 1993	Packing group II
Class 3	Marine pollutant .
EmS Code F-E S-E	

### IATA


UN 1993	Packing group II
Class 3	Subsidiary risk -
Packing Instruction 307 (Cargo)	Maximum quantity 60 L
Packing Instruction 305 (Passenger)	Maximum quantity 5 L

<b>Further information</b>	The product is not classified as dangerous for carriage.
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## 15. REGULATORY INFORMATION

<b>Symbols</b>	F - Highly flammable; Xi - Irritant 
<b>Risk phrases</b>	R11 - Highly flammable. R36/37/38 - Irritating to eyes, respiratory system and skin. R43 - May cause sensitisation by skin contact.
<b>Safety phrases</b>	S24 - Avoid contact with skin. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37 - Wear suitable gloves.
<b>Product contains</b>	Methyl Methacrylate.

## 16. OTHER INFORMATION

<b>Text of risk phrases in Section 3.</b>	R11 - Highly flammable. R36 - Irritating to eyes. R37/38 - Irritating to respiratory system and skin. R43 - May cause sensitisation by skin contact.
<b>General information</b>	Directives 1999/45/EC and 91/155/EEC have been considered when compiling this SDS. The information is provided for health and safety assessment by an industrial user. Reference should be made to any relevant local or national health, safety, and environmental legislation. This information does not constitute indication of suitability for specific uses.