

## SAFETY DATA SHEET

Page 1 of 3

### Permabond TA439

Revision 0  
Revision date 28-Nov-2008

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

**Product name** Permabond TA439  
**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 and/or sealants.

#### 2 HAZARDS IDENTIFICATION.

**Main hazards** 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
2-Hydroxyethyl methacrylate	25 - 50%	868-77-9	212-782-2	Xi; R36/38 R43
Cumene hydroperoxide	1 - 3%	80-15-9	201-254-7	O; R7 T; R23 Xn; R21/22-48/20/22 C; R34 N; R51/53
Isobornyl Methacrylate	20 - 25%	7534-94-3		Xi;R36 Xi;R37 Xi;R38
Maleic acid	1 - 3%	110-16-7	203-742-5	Xn; R22 Xi; R36/37/38

#### 4. FIRST AID MEASURES

**Skin contact** Wash with soap and water. If symptoms develop, obtain medical attention.  
**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 (CO<sub>2</sub>) , dry chemical.  
**Fire hazards** Burning produces irritating, toxic and obnoxious fumes. Carbon monoxide, carbon dioxide, and unknown hydrocarbons.  
**Protective equipment** Wear: Self-contained breathing apparatus.

# Permabond TA439

Revision 0  
Revision date 28-Nov-2008

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Surfaces contaminated with the product will become slippery.
<b>Environmental precautions</b>	No environmental requirements.
<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>	Always replace cap after use. Never return unused material to storage receptacle.
<b>Storage</b>	Keep in a cool, dry, well ventilated area. Avoid the absence of air, and metal contamination.
<b>Suitable packaging</b>	Do not repack.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Respiratory protection</b>	Not normally required.
<b>Hand protection</b>	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>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Acrylic.
<b>Flash point</b>	>100°C
<b>Relative density</b>	1.07
<b>Water solubility</b>	insoluble in water.
<b>Viscosity</b>	~1000 mPa.s
<b>Vapour density</b>	>1

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable.
<b>Conditions to avoid</b>	Avoid the absence of air, and metal contamination.
<b>Materials to avoid</b>	Metals and their salts, Reducing agents, Oxidizers, Free radical initiators.
<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.

# Permabond TA439

Revision 0  
Revision date 28-Nov-2008

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** No data is available on this product.

## 13. DISPOSAL CONSIDERATIONS

**General information** Waste disposal should be in accordance with existing Community, National and local regulations.

**Disposal of packaging** Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

## 14. TRANSPORT INFORMATION

**Further information** The product is not classified as dangerous for carriage.

## 15. REGULATORY INFORMATION

**Symbols** Xi - Irritant



**Risk phrases** R36/37/38 - Irritating to eyes, respiratory system and skin.  
R43 - May cause sensitisation by skin contact.

**Safety phrases** 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.

**Product contains** Hydroxyethyl methacrylate.

## 16. OTHER INFORMATION

**Text of risk phrases in Section 3.** R21/22 - Harmful in contact with skin and if swallowed.  
R22 - Harmful if swallowed.  
R23 - Toxic by inhalation.  
R34 - Causes burns.  
R36 - Irritating to eyes.  
R36/37/38 - Irritating to eyes, respiratory system and skin.  
R36/38 - Irritating to eyes and skin.  
R37 - Irritating to respiratory system.  
R38 - Irritating to skin.  
R43 - May cause sensitisation by skin contact.  
R48/20/22 - Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.  
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R7 - May cause fire.

**General information** 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.