

SAFETY DATA SHEET

Page 1 of 3

Permabond A131

Revision 5
Revision date 27-Apr-2006

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Permabond A131
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. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
N,N-Dimethyl-p-toluidine	0.1-1%	99-97-8	202-805-4	T; R23/24/25 R33 R52/53
a,a-dimethylbenzyl hydroperoxide	1-3%	80-15-9	201-254-7	T;N;R21/22-23-34-48/20/22-51/53

3. HAZARDS IDENTIFICATION

Main hazards Irritating to respiratory system.
Skin contact Prolonged or repeated exposure may cause irritation to skin and mucous membranes.
Eye contact Contact with eyes causes redness and discomfort which is transient.
Ingestion Unlikely to be hazardous if swallowed. No hazard in normal industrial use.
Personal precautions No precautions required to be mentioned.
Environmental precautions No environmental requirements.

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 (CO₂) , 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 A131

Revision 5
Revision date 27-Apr-2006

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Surfaces contaminated with the product will become slippery.
Environmental precautions	No environmental requirements.
Clean up methods	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal.

7. HANDLING AND STORAGE

Handling	Always replace cap after use. Never return unused material to storage receptacle.
Storage	Keep in a cool, dry, well ventilated area. Avoid the absence of air, and metal contamination.
Suitable packaging	Do not repack.
Specific use	This product is not recommended for use in joints which will be in contact with either pure oxygen or steam.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection	Not normally required.
Hand protection	Nitrile rubber or Viton™ gloves are recommended. Cotton or other absorbent gloves should not be worn. Gloves should conform to EN 374.
Eye protection	Safety glasses, goggles or face shield to protect against splashing. Personal eye protection should conform to EN 166
Protective equipment	Uniforms, coveralls, or a lab coat should be worn. Wash hands before eating, drinking, or using toilet facilities.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	White.
Odour	Acrylic.
Flash point	>100°C
Vapour pressure	<5 mm Hg
Relative density	1.07
Water solubility	insoluble in water.
Viscosity	~40000 mPa.s

10. STABILITY AND REACTIVITY

Stability	Stable.
Conditions to avoid	Avoid the absence of air, and metal contamination.
Materials to avoid	Metals and their salts, Reducing agents, Oxidizers, Free radical initiators.
Hazardous decomposition products	Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

11. TOXICOLOGICAL INFORMATION

Corrosivity	Irritating to eyes.
Mutagenic effects	None known .
Carcinogenic effects	None known .
Further information	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 A131

Revision 5
Revision date 27-Apr-2006

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 R37 - Irritating to respiratory system.

Safety phrases S24/25 - Avoid contact with skin and eyes.

16. OTHER INFORMATION

Text of risk phrases in Section 2 R21/22 - Harmful in contact with skin and if swallowed.
R23 - Toxic by inhalation.
R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
R33 - Danger of cumulative effects.
R34 - Causes burns.
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.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

Further information [] - [].

Revision This document differs from the previous version in the following areas:
[] - [].
[] - [].
[] - [].