

Material Safety Data Sheet

P110-20-180
Issue A
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SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name Apiezon Wax W
Item No(s) H023-01-014, H111-76-007.
Synonyms None
Intended use Making joints in vacuum systems (for example, glass joints).
Supplier Edwards High Vacuum International
Manor Royal, Crawley, West Sussex RH10 2LW, UK
Emergency Telephone Numbers UK: +44 (0) 1293 528844 France: +331 (1) 47 98 24 01 Germany: +49 (0) 6421 8030
USA: (transportation emergency): 508 658 5416 Other enquiries: 800 848 9800

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients name	% Weight	Classification	Risk phrase	CAS No.
Petroleum residuum	100	Non hazardous	Not applicable	8002-74-2

SECTION 3 HAZARDS IDENTIFICATION

Nature of the hazard This product is not classified as hazardous. Wax is handled and applied at elevated temperatures with risk of burns. Traces of hydrogen sulphide may be liberated at elevated temperatures.

Precaution to be taken Follow the advice given in Sections 4, 7 and 8 of this data sheet.

SECTION 4 FIRST AID MEASURES

Skin contact Flush affected area with cold water. Do not remove wax. Cover with sterile dressing and obtain medical attention.

Eyes contact Flush with water for up to 10 minutes. If irritation still persists, refer for medical attention.

Inhalation Remove to fresh air. If rapid recovery does not occur, obtain medical attention.

Ingestion Do not induce vomiting. Obtain medical attention IMMEDIATELY.

Other information None.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing media For small fires use CO₂, dry chemical powder, sand or earth.

Fire fighting procedure Wear self-contained breathing apparatus (SCBA) in confined areas and for any significant fire.

Unusual fire fighting hazards None.

Combustion products Partially decomposed hydrocarbons.

Fire hazards in presence of other materials None known.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions	None.
Environmental precautions	None.
Decontamination precautions	Place in containers. Refer to Section 13 regarding disposal.

SECTION 7 HANDLING AND STORAGE

Store away from naked flames.
Keep containers closed when not in use.
Prevent spillage and minimise operations which will contaminate work area and equipment.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures	None required in normal use.
Exposure limits	Not applicable.
Personal protective equipment	
Respiratory protection	Not required under normal conditions.
Eye protection	Use safety glasses.
Hand protection	Use protective gloves as a protection against hot wax.
Other requirements	Overalls laundered regularly.
Hygiene measures	None.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odour	Black, odourless wax	Auto ignition (°C)	> 400
Boiling point (°C)	Not applicable	pH (as supplied)	Neutral
Melting point (°C)	80 to 90 (softening)	Vapour pressure (mbar)	Not applicable
Freezing point (°C)	Not applicable	Solubility in water	Insoluble
Flash point (°C)	338	Volatile content by volume	None
Flash point method	Not known	Specific gravity (H ₂ O=1)	1.055 at 20 °C

SECTION 10 STABILITY AND REACTIVITY

Stability	Will not polymerise.
Conditions to avoid	Temperatures > 150 °C
Materials to avoid	Strong oxidising agents.
Hazardous decomposition products	Traces of H ₂ S and SO ₂ .

SECTION 11 TOXICOLOGICAL INFORMATION

Possible health effects

Skin	None.
Eyes	None.
Inhalation	Breathing of fumes should be avoided but long term toxic effects are unlikely.
Ingestion	See Section 4.

Other health hazard information:

Animal data

LD50 value	Not known, but believed low toxicity.
LC50 value	Not known, but believed low toxicity.

Carcinogenic

No.

SECTION 12 ECOLOGICAL INFORMATION

Environmental	When used and/or disposed of as indicated no adverse environmental effects are foreseen.
Mobility	Non volatile. Insoluble in water.
Degradability	Slowly biodegradable in aerobic conditions.

SECTION 13 DISPOSAL CONSIDERATIONS

Product and packaging must be disposed of in accordance with local and national regulations. May be incinerated. Unused product may be returned for reclamation.

SECTION 14 TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SECTION 15 REGULATORY INFORMATION

This product has been classified in accordance with the Dangerous Substances Directive (67/548/EEC, as amended) and the Preparations Directive (88/379/EEC, as amended), implemented in the UK as the Chemical (Hazard Information and Packing) Regulations 1993 (CHIP).

Dangerous for supply	No.
Risk phrases	Not applicable.
Safety phrases	Not applicable.
Symbols	Not applicable.

SECTION 16 OTHER INFORMATION

The format of this data sheet complies with the requirements of ANSI Z400.1 and the EC Safety Data Sheets Directive (91/155/EEC).

Glossary: CAS - Chemical Abstract Services; LC - Lethal Concentration; LD - Lethal Dose; TLV - Threshold Limit Value.

Sources of data: