



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/6

B81

Revision 6

Revision date 2015-10-16

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name B81

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description A blended wax for use in the precision investment casting process.

1.3. Details of the supplier of the safety data sheet

Company	REMET UK Limited
Address	44 Riverside II, Sir Thomas Longley Road Rochester, Kent ME2 4DP
Web	www.remetuk.com
Telephone	+44 (0) 1634 226240
Fax	+44 (0) 1634 226241
Email	CustomerService@remetuk.com
Email address of the competent person	CustomerService@remetuk.com

1.4. Emergency telephone number

Emergency telephone number	+44 (0) 1634 226240 9.00am - 5.00pm Mon - Fri
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Main hazards No Significant Hazard

2.2. Label elements

Risk phrases No Significant Hazard

2.3. Other hazards

Other hazards No Significant Hazard.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Paraffin wax (Paraffin wax, fume)		8002-74-2	232-315-6				

B81

Revision 6

Revision date 2015-10-16

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Paraffin wax (Paraffin wax, fume)		8002-74-2	232-315-6				

Description

A blend of waxes, polymers and resins.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing stops, provide artificial respiration.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water.
Ingestion	Rinse mouth thoroughly. DO NOT INDUCE VOMITING.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Carbon dioxide (CO2). Dry chemical. Foam. DO NOT use water jets.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes. Fire will produce dense black smoke.
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5.3. Advice for firefighters

	Wear: Protective equipment. In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment. Surfaces contaminated with the product will become slippery. Sweep up.
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6.2. Environmental precautions

	Do not allow product to enter drains. Do not flush into surface water.
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B81

Revision 6

Revision date 2015-10-16

6.2. Environmental precautions

Do not let product contaminate subsoil.
Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Sweep up.
Avoid raising dust.
Transfer to suitable, labelled containers for disposal.

6.4. Reference to other sections

See section 2, 3, 8, 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not eat, drink or smoke in areas where this product is used or stored.
Avoid contact with eyes and skin.
Avoid formation of dust.
Ensure adequate ventilation of the working area.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area.
Avoid contact with: Direct sunlight.
Store at temperatures below 30 °C.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

See section 8.2 for further information.

8.1.1. Exposure Limit Values

Paraffin wax (Paraffin wax, fume)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 2
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 6
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Adopt best Manual Handling considerations when handling, carrying and dispensing. Apply a barrier cream before handling the product. Wear suitable protective equipment.
Eye / face protection	Avoid contact with eyes. In case of splashing, wear:.. Approved safety goggles.
Skin protection - Handprotection	Nitrile rubber gloves. Chemical resistant gloves. Wash hands after handling the product.
Respiratory protection	Do not breathe dust or vapour. Wear:.. Suitable half mask respirator with filter P3 (EN 143).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

B81

Revision 6

Revision date 2015-10-16

9.1. Information on basic physical and chemical properties

Appearance	Solid
Colour	Blue/Natural
Odour	Characteristic
Odour threshold	No data available
pH	No data available
Melting point	60 - 70 °C
Freezing Point	No data available
Initial boiling point	No data available
Flash point	> 200 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	0.95
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Insoluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Oxidising agents.

10.4. Conditions to avoid

Direct sunlight.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

May cause allergic reactions in susceptible people.
 May cause dermatitis.
 May cause irritation to skin, eyes and mucous membranes.

B81

Revision 6

Revision date 2015-10-16

11.1. Information on toxicological effects

Respiratory or skin sensitisation	May cause sensitisation by inhalation and skin contact.
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11.1.4. Toxicological Information

Paraffin wax	Oral Rat LD50: > 5000 mg/kg	Dermal Rabbit LD50: > 3600 mg/kg
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SECTION 12: Ecological information

12.1. Toxicity

	No data available
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12.2. Persistence and degradability

	Not readily biodegradable.
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12.3. Bioaccumulative potential

	No data available.
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Partition coefficient

	B81 No data available
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12.4. Mobility in soil

	No data available.
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12.5. Results of PBT and vPvB assessment

	No data available.
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12.6. Other adverse effects

	No data available.
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Further information

	No known adverse environmental effects.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	No data available.
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General information

	Dispose of in compliance with all local and national regulations.
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Disposal of packaging

	Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.
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SECTION 14: Transport information

ADR/RID

	The product is not classified as dangerous for carriage.
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IMDG

	The product is not classified as dangerous for carriage.
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IATA

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency,
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B81

Revision 6

Revision date 2015-10-16

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

15.2. Chemical safety assessment

No data available.

SECTION 16: Other information**Other information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

Revision

This document differs from the previous version in the following areas:
9 - 9.1. Information on basic physical and chemical properties (Appearance).