

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Mould Release without silicone

Revision 3

Revision date 2012-06-13

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

1.1. Product identifier

Product name	Mould Release without silicone
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU0] Other; [PC9a] Coatings and paints, thinners, paint removers; [PROC7] Industrial spraying; [ERC4] Industrial use of processing aids in processes and products, not becoming part of articles; [AC13] Plastic articles;
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1.3. Details of the supplier of the safety data sheet

Company	Renishaw plc
Address	Whitebridge Way, Whitebridge Park, Stone, Staffordshire ST15 8LQ United Kingdom
Web	www.renishaw.com
Telephone	+44 (0)1785 815651
Fax	+44 (0)1785 812115
Email	msds@renishaw.com
Email address of the competent person	msds@renishaw.com

1.4. Emergency telephone number

Emergency telephone number	+44 (0)1785 815651
Company	MSDS Renishaw 0800-1700

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	F+; R12 T; R45-46 Symbols: F+: Extremely flammable. T: Toxic.
Main hazards	Extremely flammable. May cause cancer. May cause heritable genetic damage. Harmful: may cause lung damage if swallowed.

2.2. Label elements

Symbols	F+: Extremely flammable. T: Toxic.  
Risk phrases	R12 - Extremely flammable.

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2.2. Label elements

Safety phrases	R45 - May cause cancer. R46 - May cause heritable genetic damage. R65 - Harmful: may cause lung damage if swallowed.
	S16 - Keep away from sources of ignition - No smoking. S53 - Avoid exposure - obtain special instructions before use. S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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
Low boiling point hydrogen treated naphtha - naphtha (petroleum), hydrotreated light	649-328-00-1	64742-49-0	265-151-9			Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65
Butane	601-004-00-0	106-97-8	203-448-7			F+; R12
Butan-2-ol	603-127-00-5	78-92-2	201-158-5			R10 Xi; R36/37 R67
Low boiling point hydrogen treated naphtha - naphtha (petroleum), hydrotreated heavy	649-327-00-6	64742-48-9	265-150-3			Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention.
Eye contact	Rinse immediately with plenty of water. Seek medical attention.
Ingestion	DO NOT INDUCE VOMITING. Seek medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Carbon dioxide (CO2). Dry chemical. Water spray.
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5.2. Special hazards arising from the substance or mixture

	Carbon oxides. Hydrogen fluoride. may be formed in fire conditions.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear protective clothing.
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6.2. Environmental precautions

	Do not allow runoff water to enter sewers or drains.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Refer to manufacturer/supplier for information on recovery/recycling.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Direct sunlight. Heat.
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SECTION 8: Exposure controls/personal protection

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8.1. Control parameters

8.1.1. Exposure Limit Values

Butan-2-ol	WEL 8-hr limit ppm: 100	WEL 8-hr limit mg/m3: 308
	WEL 15 min limit ppm: 150	WEL 15 min limit mg/m3: 462
Butane	WEL 8-hr limit ppm: 600	WEL 8-hr limit mg/m3: 1450
	WEL 15 min limit ppm: 750	WEL 15 min limit mg/m3: 1810

8.2. Exposure controls

Eye / face protection	Safety glasses.
Skin protection - Handprotection	Wear suitable gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Aerosol
Colour	White
Odour	Characteristic
pH	No data available
Melting point	Not determined
Freezing Point	Not determined
Boiling point	= -44 °C
Flash point	- 97 °C
Evaporation rate	No data available
Flammability limits	No data available
Vapour Flammability	No data available
Vapour pressure	= 8300 Pa
Vapour density	No data available
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	= 240 °C
Viscosity	No data available
Explosive	No data available
Oxidising	No data available
Solubility	= Immiscible 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

	None.
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10.6. Hazardous decomposition products

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10.6. Hazardous decomposition products

Carbon oxides. Hydrogen fluoride. may be formed in fire conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation Respiratory or skin sensitisation	No data is available on this product.
	Irritating to eyes.
	No sensitization effects reported.

11.1.4. Toxicological Information

Mould Release without silicone	Oral Rat LD50: >5000	Dermal Rabbit LD50: >3000
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CMR: Carcinogenic, mutagenic or toxic to reproduction.

SECTION 12: Ecological information

12.1. Toxicity

No data available

Further information

Do not allow product to enter drains. Do not allow runoff water to enter sewers or drains.

SECTION 13: Disposal considerations

Disposal methods

Dispose of this material and its container to hazardous or special waste collection point. Do not allow runoff water to enter sewers or drains. Do not empty into drains. Dispose of as special waste in compliance with local and national regulations.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

ADR/RID	2
Subsidiary risk	see SP63
IMDG	2
Subsidiary risk	see SP63
IATA	2
Subsidiary risk	see SP63

14.4. Packing group

Packing group	-
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

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ADR/RID	
Hazard ID	-
Tunnel Category	(D)
IMDG	
EmS Code	F-D S-U
IATA	
Packing Instruction (Cargo)	203
Maximum quantity	150 kg
Packing Instruction (Passenger)	203
Maximum quantity	75 kg
SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
	R11 - Highly flammable. R65 - Harmful: may cause lung damage if swallowed. S16 - Keep away from sources of ignition - No smoking. S23 - Do not breathe gas/fumes/vapour/spray. S51 - Use only in well-ventilated areas.
Further information	
	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.
SECTION 16: Other information	
Other information	
Revision	This document differs from the previous version in the following areas: 1 - Product Use.
Text of risk phrases in Section 3	R10 - Flammable R12 - Extremely flammable. R36/37 - Irritating to eyes and respiratory system. R45 - May cause cancer. R46 - May cause heritable genetic damage. R65 - Harmful: may cause lung damage if swallowed. R67 - Vapours may cause drowsiness and dizziness.
Further 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.