

**SAFETY DATA SHEET**  
according to 1907/2006/EC, Article 31

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**Resin 7100 B**

Revision 0

Revision date 2011-12-06

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

**1.1. Product identifier**

**Product name** Resin 7100 B

**1.3. Details of the supplier of the safety data sheet**

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

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**2.1.1. Classification - 1999/45/EC** Xn; R20-40-42/43-48/20 Xi; R36/37/38

Symbols: Xn: Harmful.

**Main hazards**

Harmful by inhalation. Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**2.2. Label elements**

**Symbols**

Xn: Harmful.



**Risk phrases**

R20 - Harmful by inhalation.  
R36/37/38 - Irritating to eyes, respiratory system and skin.  
R40 - Limited evidence of a carcinogenic effect.  
R42/43 - May cause sensitisation by inhalation and skin contact.  
R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases**

S22 - Do not breathe dust.  
S23 - Do not breathe gas/fumes/vapour/spray.  
S24 - Avoid contact with skin.  
S36/37 - Wear suitable protective clothing and gloves.  
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label)

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## 2.2. Label elements

where possible).  
S63 - In case of accident by inhalation: remove casualty to fresh air and keep at rest.

## 2.3. Other hazards

**Other hazards** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 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
4,4'-Methylenediphenyl diisocyanate	615-005-00-9	101-68-8	202-966-0		20 - 30%	Carc. Cat. 3; R40 Xn; R20-48/20 Xi; R36/37/38 R42/43

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air. In severe cases, may cause loss of consciousness. May cause dizziness and headache.
<b>Eye contact</b>	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. May cause dermatitis.
<b>Ingestion</b>	Ingestion may cause nausea and vomiting. DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water. Seek medical attention if irritation or symptoms persist.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam. Cool fire exposed containers with waterspray.

## 5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

## 5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear suitable respiratory equipment when necessary.

## 6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

## 6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Wash with water.

## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.

## 7.2. Conditions for safe storage, including any incompatibilities

Direct sunlight. Do NOT allow to freeze. Keep containers tightly closed. Keep in a cool, dry, well

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## 7.2. Conditions for safe storage, including any incompatibilities

ventilated area. Store in correctly labelled containers.

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

Resin 7100 B	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 5
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:

## 8.2. Exposure controls



## 8.2.2. Individual protection measures

Ensure adequate ventilation of the working area.

Wear protective clothing.

## Eye / face protection

Approved safety goggles.

Skin protection -  
Handprotection

Chemical resistant gloves (PVC).

## Respiratory protection

Wear suitable respiratory equipment when necessary.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Colourless
Odour	Characteristic
pH	No data available
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability limits	No data available
Vapour Flammability	No data available
Vapour pressure	No data available
Vapour density	No data available
Explosive	No data available
Oxidising	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	= 285 mPas (Cone & Plate)
Relative density	= 1.14 (Water = 1 @ 20 °C)
Solubility	No data available

## 9.2. Other information

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## 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

## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.4. Conditions to avoid

	Moisture.
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## 10.6. Hazardous decomposition products

	Carbon oxides. Nitrogen oxides.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Acute toxicity	No data is available on this product.
Skin corrosion/irritation	May cause irritation to eyes. May cause irritation to skin.
Repeated or prolonged exposure	May cause dermatitis.

## 11.1.4. Toxicological Information

Resin 7100 B	Oral Rat LD50: >2000	Dermal Rabbit LD50: >2000
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## SECTION 12: Ecological information

## 12.1. Toxicity

	No data available
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## 12.2. Persistence and degradability

	No data is available on this product.
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## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations. Do not allow product to enter drains. Do not empty into drains.
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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

	R36/37/38 - Irritating to eyes, respiratory system and skin. R42/43 - May cause sensitisation by inhalation and skin contact. S22 - Do not breathe dust. S23 - Do not breathe gas/fumes/vapour/spray. S24 - Avoid contact with skin. S37 - Wear suitable gloves. S45 - In case
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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

	of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S63 - In case of accident by inhalation: remove casualty to fresh air and keep at rest.
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**15.2. Chemical safety assessment**

	The product is classified as non hazardous.
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**SECTION 16: Other information****Other information****Text of risk phrases in Section 3**

	R20 - Harmful by inhalation. R36/37/38 - Irritating to eyes, respiratory system and skin. R40 - Limited evidence of a carcinogenic effect. R42/43 - May cause sensitisation by inhalation and skin contact. R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
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**General information**

	R20 - Harmful by inhalation. R36/37/38 - Irritating to eyes, respiratory system and skin. R42/43 - May cause sensitisation by inhalation and skin contact.
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**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.
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