

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

Page 1/4

**Resin 410 A**

Revision 0

Revision date 2011-12-01

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

**1.1. Product identifier**

**Product name** Resin 410 A

**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**

**Main hazards** No Significant Hazard

**2.2. Label elements**

**Risk phrases** No Significant Hazard.

**2.3. Other hazards**

**Other hazards** The product is classified as non hazardous.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

Characteristic. Chemical Name. Polyether/polyester polyol compound.

**Further information**

**No Significant Hazard** R36/38 - Irritating to eyes and skin.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

<b>Inhalation</b>	Move the exposed person to fresh air.
<b>Eye contact</b>	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>	Wash off immediately with plenty of soap and water.
<b>Ingestion</b>	Rinse mouth thoroughly. Seek medical attention if irritation or symptoms persist.

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

**Inhalation** No Significant Hazard.

## Resin 410 A

Revision 0

Revision date 2011-12-01

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

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. Seek medical attention if irritation or symptoms persist.

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

	If you feel unwell, seek medical advice (show the label where possible).
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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

	Water. Foam. Dry chemical. Carbon dioxide (CO <sub>2</sub> ).
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**5.2. Special hazards arising from the substance or mixture**

	Carbon Monoxide may be formed in fire conditions.
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**5.3. Advice for firefighters**

	Self-contained breathing apparatus.
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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

	Wear suitable protective clothing and gloves.
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**6.3. Methods and material for containment and cleaning up**

	Absorb with inert, absorbent material. Contact a licensed waste disposal company.
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**6.4. Reference to other sections**

	Refer to sections 8,12 and 13.
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**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

	Keep container tightly closed in a cool place. Keep away from sources of ignition - No smoking.
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**7.2. Conditions for safe storage, including any incompatibilities**

Suitable packaging	Keep only in the original container in a cool, well-ventilated place. Avoid exposure to low temperatures (> 15 °C).
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**7.3. Specific end use(s)**

	After contact with skin, wash immediately with plenty of water. Avoid contact with eyes. Keep away from sources of ignition - No smoking. Wear suitable protective equipment.
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**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

	No WEL's have been identified for this substance.
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**8.2. Exposure controls**

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area. Keep containers tightly closed. Keep in a cool, dry, well ventilated area.
8.2.2. Individual protection measures	Wear suitable protective clothing. Use appropriate personal protective equipment. Avoid contact with eyes and skin.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Wear suitable gloves and eye/face protection.

## Resin 410 A

Revision 0

Revision date 2011-12-01

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>State</b>	Liquid
<b>Colour</b>	White
<b>Odour</b>	Mild
<b>pH</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability limits</b>	No data available
<b>Vapour Flammability</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Explosive</b>	No data available
<b>Oxidising</b>	No data available
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Boiling point</b>	> 200 °C
<b>Flash point</b>	> 200 °C
<b>Relative density</b>	= 1.02 (Water = 1 @ 20 °C)
<b>Viscosity</b>	= 70 mPas (Cone & Plate)
<b>Solubility</b>	= Insoluble in water

**9.2. Other information**

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

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Avoid contact with: Acids, Oxidising agents.

**10.2. Chemical stability**

Stable.

**10.3. Possibility of hazardous reactions**

Acids. Isocyanides. Oxidising agents.

**10.5. Incompatible materials**

Acids. Oxidising agents.

**10.6. Hazardous decomposition products**Carbon dioxide (CO<sub>2</sub>). Hydrocarbons.**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

No data is available on this product.

**Skin corrosion/irritation**

Prolonged or repeated exposure may cause irritation to skin and mucous membranes.

**11.1.4. Toxicological Information**

No data available

## Resin 410 A

Revision 0

Revision date 2011-12-01

**SECTION 12: Ecological information****12.1. Toxicity**

No data available

**12.2. Persistence and degradability**

Insoluble in water.

**12.3. Bioaccumulative potential**

No data is available on this product.

**12.4. Mobility in soil**

No data is available on this product.

**12.5. Results of PBT and vPvB assessment**

No data available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

This material and its container must be disposed of as hazardous waste.

**General information**

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Contact a licensed waste disposal company.

**Disposal methods**

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Contact a licensed waste disposal company.

**SECTION 14: Transport information****ADR/RID**

The product is not classified as dangerous for carriage.

**IMDG**

The product is not classified as dangerous for carriage.

**IATA**

The product is not classified as dangerous for carriage.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Regulations**

R36/38 - Irritating to eyes and skin. S24/25 - Avoid contact with skin and eyes.

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, 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.

**SECTION 16: Other information****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. The product is not classified as dangerous for carriage.