

This safety data sheet has been prepared in accordance with the requirements of EC Directives 1999/45/EC and 2001/58/EC and provides information relating to the safe handling and use of the product.

## 1. PRODUCT AND COMPANY INFORMATION

|                               |  |
|-------------------------------|--|
| <b>Product Code</b>           | 0158316  |
| <b>Trade Name</b>             | 5220   |
| <b>Manufacturer/Supplier</b>  | Henkel Loctite Adhesives Ltd.                              |
| <b>Address</b>                | Watchmead,<br>Welwyn Garden City,<br>Herts., AL71JB.<br>UK |
| <b>Phone Number</b>           | 01 707 358800  |
| <b>Fax Number</b>             | 01 707 358900  |
| <b>Emergency Phone Number</b> | +353-1-4599301/+353-87-2629625/+353-1-4046444              |

Supplied by:  
RS Components Ltd.  
Birchington Road, Corby, Northants, NN17 9RS.  
Tel: (01536) 402888

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Nature** Polyurethane sealant.

### Hazardous Components in Product for EC

| Component Name                   | CAS / EINEC        | Concentration | R Phrases           | Classification |
|----------------------------------|--------------------|---------------|---------------------|----------------|
| Ethylbenzene                     | 100-41-4           | 1.00 - 5.00   | R11, R20            | F, Xn          |
| Methoxypropyl Acetate            | 84540-57-8         | 1.00 - 5.00   | R10                 |                |
| 4,4-Diphenylmethane Diisocyanate | 101-68-8 202-966-0 | 0.10 - 1.00   | R20, R36/37/38, R42 |                |

## 3. HAZARD IDENTIFICATION

This product is classified as harmful. May cause sensitisation by inhalation. Solvent will have a defatting action on the skin making it more susceptible to dermatitis and sensitisation. Inhalation of vapours may cause headaches or dizziness.

## 4. FIRST AID MEASURES

### First Aid - Inhalation

Remove affected person to fresh air, and if still feeling unwell seek medical attention.

### First Aid - Skin

Wash with plenty of soap and water. If irritation persists, seek medical advice.

### First Aid - Eyes

Flush eyes with plenty of water for at least 15 minutes. If irritation persists seek medical attention.

### First Aid - Ingestion

Rinse mouth with water then give plenty of water to drink. Do not induce vomiting. Seek medical advice.

## 5. FIRE FIGHTING MEASURES

Non flammable product (flash point is greater than 60°C (CC)). Self contained breathing apparatus should be worn when dealing with fire. Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended. If product is involved in fire extinguish with dry powder, foam or carbon dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

Ventilate area. For small spills wipe up with paper towel and place in container for disposal. Absorb spillage onto inert absorbent material such as sand or vermiculite and place in container for disposal. Wash spillage site thoroughly with soap and water or detergent solution.

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## 7. HANDLING AND STORAGE

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**Handling**

Avoid contact with skin and eyes. Vapours should be extracted to avoid inhalation. Use in a well ventilated area.

**Storage**

Keep in a cool, well-ventilated area. Storage temperature range 1°C to 25°C.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Occupational exposure limits****Ethylbenzene**

ACGIH: TLV 100ppm 8h TWA.

ACGIH: STEL 125ppm 15min TWA.

**4,4-Diphenylmethane**HSA(1997) C.O.P: OES (0.02 mg/m<sup>3</sup>) 8h TWA.**Diisocyanate**HSA(1997) C.O.P: OES (0.07mg/m<sup>3</sup>) 15min TWA.

Good industrial hygiene practices should be observed.

In circumstances where there is a potential for prolonged or repeated skin contact, the use of disposable gloves (polyethylene, natural rubber or equivalent ester-resistant material) is recommended. Avoid inhalation of vapour. Use in well ventilated area. When handling the bulk product the use of disposable gloves (polyethylene, natural rubber or equivalent ester-resistant material) is recommended.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|-----------------------|
| <b>Physical State</b>                         | Paste.                |
| <b>Colour</b>                                 | Black.                |
| <b>Odour</b>                                  | Mild. Characteristic. |
| <b>pH</b>                                     | N/A                   |
| <b>Boiling Range/Point (°C)</b>               | N/A                   |
| <b>Flash Point (CC) (°C)</b>                  | >60                   |
| <b>Specific Gravity</b>                       | 1.12.                 |
| <b>Solubility in Water (kg/m<sup>3</sup>)</b> | Insoluble.            |
| <b>Solubility in Acetone</b>                  | Partially soluble     |
| <b>Vapour Pressure (mmHg @25°C)</b>           | Less than 1 at 25 °C. |
| <b>Explosion Limits (%)</b>                   | N/A                   |

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## 10. STABILITY AND REACTIVITY

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The product is relatively stable under normal conditions of use. Polymerisation will occur in the presence of moisture.

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## 11. TOXICOLOGICAL INFORMATION

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**Inhalation**

This product is harmful by inhalation. May cause sensitisation of the respiratory tract. May cause irritation to respiratory system and mucous membranes if used in confined spaces.

**Skin**

Prolonged or continuous skin contact should be avoided. May cause irritation to skin.

**Eyes**

May cause irritation to the eyes.

**Loctite Corporation**Environmental Health & Safety Affairs  
Health & Regulatory Affairs - Europe

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**11. TOXICOLOGICAL INFORMATION****Ingestion**

This product is considered to be of low toxicity having an acute oral LD50 (rat) >2000mg/kg by analogy to other similar products.

**12. ECOLOGICAL INFORMATION**

The product should not go into drains or surface water. This product is slightly biodegradable. Cured Loctite products are typical polymers and do not pose any immediate environmental hazards.

Biological and Chemical Oxygen Demands (BOD and COD) of cured Loctite products are insignificant. In the cured state contribution of this product to Environmental Hazards is insignificant in comparison to articles in which it is used.

**13. DISPOSAL CONSIDERATIONS**

After use, tubes, cartons and bottles containing residual product should be disposed of as "chemically contaminated waste" in an authorised legal land fill site or incinerated. Dispose of in accordance with local and national regulations. Contribution of this product to waste is very insignificant in comparison to article in which it is used.

**14. TRANSPORT INFORMATION**

|                              |                 |
|------------------------------|-----------------|
| <b>UN Number</b>             | Not classified. |
| <b>Air (IATA)</b>            | Not classified. |
| <b>Sea (IMO)</b>             | Not classified. |
| <b>Road (ADR)/Rail (RID)</b> | Not classified. |

**15. REGULATORY INFORMATION**

**Contains** Diphenylmethane-4,4'-di-isocyanate May produce an allergic reaction  
Contains isocyanates. See information supplied by the manufacturer.

**Labelling Information**

Harmful

None

**R phrases**

R42 May cause sensitisation by inhalation.

**S phrases**

S23 Do not breathe vapour.

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 where possible).

S51 Use only in well ventilated areas.

**Voluntary Labelling**

N/A

**16. OTHER INFORMATION****MSDS data revised** 17 July 2003**Hazardous Components in Product for EC****Component Name**

Ethylbenzene

Methoxypropyl Acetate

4,4-Diphenylmethane Diisocyanate

**R Phrases**

R11, R20

R10

R20, R36/37/38,

R42

R10

R10 Flammable.

R11

R11 Highly flammable.

R20

R20 Harmful by inhalation.

**Component Name**R36/37/38  
R42**R Phrases**R36/37/38 Irritating to eyes, respiratory system and skin.  
R42 May cause sensitisation by inhalation.

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Further Information may be obtained from:-

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