

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>	0128222
<b>Trade Name</b>	222
<b>Manufacturer/Supplier</b>	Henkel Loctite Adhesives Ltd.
<b>Address</b>	Watchmead, Welwyn Garden City, Herts., AL71JB. UK
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<b>Emergency Phone Number</b>	+353-1-4599301/+353-87-2629625/+353-1-4046444

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Nature</b>	Anaerobic thread sealant. Product based on polyethyleneglycol dimethacrylate.
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### Hazardous Components in Product for EC

<b>Component Name</b>	<b>CAS / EINEC</b>	<b>Concentration</b>	<b>R Phrases</b>	<b>Classification</b>
N,N-Diethyl-p-Toluidine	613-48-9 210-345-0	0.10 - 0.90	R23/24/25, R33	T
Polyethylene glycol 200 mono-oleate	9004-96-0	20.00 - 40.00	R52/53	
Cumene Hydroperoxide 80%	80-15-9 201-254-7	1.00 - 3.00	R7, R21/22, R23, R34, R48/20/22, R51/53	O, T, N

## 3. HAZARD IDENTIFICATION

Irritating to eyes and respiratory system.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Prolonged contact with skin, particularly damaged skin, may cause sensitization or dermatitis in sensitive individuals.

## 4. FIRST AID MEASURES

### First Aid - Inhalation

Should not be a problem as product is of low volatility. However, if feeling unwell remove patient to fresh air.

### First Aid - Skin

Wash skin with plenty of soap and water. Seek medical advice if irritation develops.

### First Aid - Eyes

Flush eyes immediately with plenty of water for at least 15 minutes. Seek medical advice if irritation develops.

### 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 100°C (CC)).  
If product is involved in fire extinguish with dry powder, foam or carbon dioxide.  
Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.

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**6. ACCIDENTAL RELEASE MEASURES**

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Ventilate area.

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed 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**

Use in a well ventilated area.

Avoid contact with skin and eyes.

Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.

**Storage**

Store in original containers at 8°C-21°C and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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Good industrial hygiene practices should be observed.

Use in well ventilated area. Avoid contact with skin and eyes. Use of Butyl or Nitrile Rubber gloves is recommended. Safety glasses should be worn.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Physical State</b>	Liquid.
<b>Colour</b>	Purple.
<b>Odour</b>	Characteristic.
<b>pH</b>	Range between 3 to 6.
<b>Boiling Range/Point (°C)</b>	Not determined.
<b>Flash Point (CC) (°C)</b>	>100
<b>Specific Gravity</b>	1.08.
<b>Solubility in Water (kg/m<sup>3</sup>)</b>	Immiscible.
<b>Solubility in Acetone</b>	Miscible
<b>Vapour Pressure (mmHg @25°C)</b>	<0.1
<b>Explosion Limits (%)</b>	Not determined.

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**10. STABILITY AND REACTIVITY**

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Non reactive to water.

Non reactive to oxidising agents except for peroxides.

Polymerisation may occur after some time in the absence of air and/or the presence of a metal;

However, the product is adequately stabilised to ensure that premature polymerisation does not occur under normal conditions of use.

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**11. TOXICOLOGICAL INFORMATION**

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**Inhalation**

Irritating to respiratory system.

**Skin**

Although it is not a common sensitizer there may be a risk of sensitization on prolonged or repeated contact with damaged skin.

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**11. TOXICOLOGICAL INFORMATION**

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**Eyes**

Irritating to the eyes.

**Ingestion**

May irritate the digestive tract. Ingestion of large quantities may cause damage to liver or kidneys.

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**12. ECOLOGICAL INFORMATION**

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Keep away from drains and open waters.

Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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**13. DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with all applicable local and national regulations. Contribution of this product to waste is very insignificant in comparison to article in which it is used.

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**14. TRANSPORT INFORMATION**

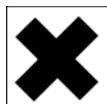
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<b>UN Number</b>	None
<b>Air (IATA)</b>	Not classified.
<b>Sea (IMO)</b>	Not classified.
<b>Road (ADR)/Rail (RID)</b>	Not classified.

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**15. REGULATORY INFORMATION**

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**Contains****Labelling  
Information**

Irritant

**R phrases**R36/37 Irritating to eyes and respiratory system.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**S phrases**S25 Avoid contact with eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S51 Use only in well ventilated areas.  
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.**Voluntary Labelling**

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**16. OTHER INFORMATION**

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**MSDS data revised**

19 March 2004

**Hazardous Components in Product for EC****Component Name**N,N-Diethyl-p-Toluidine  
Polyethylene glycol 200 mono-oleate  
Cumene Hydroperoxide 80%**R Phrases**R23/24/25, R33  
R52/53  
R7, R21/22, R23,  
R34, R48/20/22,  
R51/53R21/22  
R23  
R23/24/25  
R33  
R34  
R48/20/22R21/22 Harmful in contact with skin and if swallowed.  
R23 Toxic by inhalation.  
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.  
R33 Danger of cumulative effects.  
R34 Causes burns.  
R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

**Component Name**

R51/53

R52/53

R7

**R Phrases**

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R7 May cause fire.

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The information in this safety data sheet was obtained from reputable sources and to the best of our knowledge is accurate and current at the mentioned date. Attention of users is drawn to the possible hazards from improper use of the product(s). Neither Loctite nor its subsidiary companies accept any liability arising out of the use of the information provided here or the use, application or processing of the product(s) described herein. This safety data sheet was prepared in accordance with Commission Directive 2001/59/EC adapting to technical progress for the 28th time Council Directive 67/548/EEC and Commission Directive 1999/45/EC.

Supersedes Safety Data Sheet No: 10 dated 21/2/03.