

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.

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**1. PRODUCT AND COMPANY INFORMATION**

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<b>Product Code</b>	0301095
<b>Trade Name</b>	Soft Plastic
<b>Manufacturer/Supplier</b>	Henkel Loctite Adhesives Ltd.
<b>Address</b>	Watchmead, Welwyn Garden City, Herts., AL71JB. UK
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<b>Fax Number</b>	01 707 358900
<b>Emergency Phone Number</b>	+353-1-4599301/+353-87-2629625/+353-1-4046444

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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

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**Nature** PVC polymer in stabilised solvent

**Hazardous Components in Product for EC**

<b>Component Name</b>	<b>CAS / EINEC</b>	<b>Concentration</b>	<b>R Phrases</b>	<b>Classification</b>
Tetrahydrofuran	109-99-9 203-726-8	60.00 - 100.00	R11, R19, R36/37	

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**3. HAZARD IDENTIFICATION**

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This product is highly flammable. May form explosive peroxides. Irritating to eyes and respiratory system. 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.

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**4. FIRST AID MEASURES**

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**First Aid - Inhalation**

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

**First Aid - Skin**

Wash skin with plenty of soap and water and apply replenishing cream if necessary.

**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.

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**5. FIRE FIGHTING MEASURES**

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This product is highly flammable having a flash point of -17°C. If product is involved in fire extinguish with dry powder, foam or carbon dioxide. Keep unaffected containers cool with water spray. Toxic fumes such as oxides of carbon may be released on incineration and these should not be inhaled. Self contained breathing apparatus should be worn when dealing with fire.

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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. Eliminate sources of ignition. Avoid contact with skin and eyes and avoid inhalation of vapours

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**7. HANDLING AND STORAGE**

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**Handling**

Avoid sources of ignition - no smoking. Use in a well ventilated area. Vapours should be extracted to avoid inhalation.

**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. Keep away from sources of ignition.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Occupational exposure limits****Tetrahydrofuran**

(2000) ACGIH: TLV 200ppm 8h TWA.

(2000) ACGIH: STEL 250ppm 15min TWA.

UK EH40: OES 100ppm (300mg/m<sup>3</sup>) 8h TWA.

UK EH40: OES 200ppm (599mg/m<sup>3</sup>) 15 min TWA

Rubber gloves and chemical goggles should be worn. Good industrial hygiene practices should be observed.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Physical State</b>	Liquid.
<b>Colour</b>	Clear
<b>Odour</b>	Pungent.
<b>pH</b>	Not determined.
<b>Boiling Range/Point (°C)</b>	65
<b>Flash Point (CC) (°C)</b>	-17
<b>Specific Gravity</b>	0.95.
<b>Solubility in Water (kg/m<sup>3</sup>)</b>	Insoluble.
<b>Solubility in Acetone</b>	Soluble
<b>Vapour Pressure (mmHg @25°C)</b>	20.7 KPa at 20 °C.
<b>Explosion Limits (%)</b>	1.5 to 12.

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**10. STABILITY AND REACTIVITY**

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Unstable in the presence of oxidisers and acids. Dehydrogenation can occur at elevated temperatures with the possible liberation of corrosive hydrochloric acid fumes.

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**11. TOXICOLOGICAL INFORMATION**

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**Inhalation**

Irritating to respiratory system. Inhalation of vapours may cause headaches or dizziness. Exposure to the solvent vapour should be minimised and the product should be used where adequate ventilation is available. Exposure to high concentrations of vapour may cause narcotic effects.

**Skin**

Prolonged contact may cause some irritation.

**Eyes**

This product is an irritant to the eyes.

**Ingestion**

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

**11. TOXICOLOGICAL INFORMATION**

analogy to other similar products.

**12. ECOLOGICAL INFORMATION**

No information available.



**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local and national regulations.

**14. TRANSPORT INFORMATION**

<b>UN Number</b>	1133
<b>Air (IATA)</b>	Adhesives, Class 3, Pkg. Grp. II.
<b>Sea (IMO)</b>	Adhesives, Class 3, Packaging Group II EmS 3-05 .
<b>Road (ADR)/Rail (RID)</b>	Adhesives, Class 3, Packaging Grp II Classification code: F1

**15. REGULATORY INFORMATION**

<b>Contains</b>	N/A
<b>Labelling Information</b>	 Highly flammable  Irritant

<b>R phrases</b>	R11 Highly flammable. R19 May form explosive peroxides. R36/37 Irritating to eyes and respiratory system.
<b>S phrases</b>	S2 Keep out of the reach of children. S9 Keep container in a well ventilated place. S16 Keep away from sources of ignition - No Smoking. S23 Do not breathe vapour. S51 Use only in well ventilated areas. S29 Do not empty into drains. S33 Take precautionary measures against static discharges.

**Voluntary Labelling** N/A**16. OTHER INFORMATION****MSDS data revised** 28 November 2002**Hazardous Components in Product for EC****Component Name**Tetrahydrofuran  
R11  
R19  
R36/37R11 Highly flammable.  
R19 May form explosive peroxides.  
R36/37 Irritating to eyes and respiratory system.**R Phrases**

R11, R19, R36/37

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Further Information may be obtained from:-

**Component Name**

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**R Phrases**

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. 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.

Attention of users is drawn to the possible hazards from improper use of the product(s).

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: 1 dated 13/10/97.

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