

# Material Safety Data Sheet

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Product Name:        **326 SPEED BONDER**

**Classified as hazardous according to criteria of NOHSC**

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## COMPANY DETAILS

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### Company Name

HENKEL AUSTRALIA PTY LTD (ABN 82 001 302 996)

### Address

1 Clyde Street Silverwater  
NSW 2229 Australia

### Emergency Tel.

See CONTACT POINT

### Tel/Fax

Tel: 1300 885 556    Fax: (02) 9525 5643

### Other Information

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## IDENTIFICATION

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### Product Code

32629

### Product Name

326 SPEED BONDER

### Proper Shipping Name

None Allocated

Other Names    Name

Mancode

Product Name : 326 SPEED BONDER

LOCTITE 326 STRUCTURAL ADHESIVE  
326 SPEED BONDER  
SPEED BONDER  
STRUCTURAL ADHESIVE  
326

**UN Number**

None Allocated

**DG Class**

None Allocated

**Packing Group**

None Allocated

**Hazchem Code**

None Allocated

**Poisons Schedule**

Not Scheduled

**Product Use**

Structural adhesive for use on ceramics, glass, metals and some plastics.

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**Physical Data**

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**Appearance**

Amber liquid with a sharp odour.

**Melting Point**

Not available

**Boiling Point**

148°C

**Vapour Pressure**

10 mmHg at 26°C

**Specific Gravity**

1.11 @ 26°C

**Flash Point**

93°C (COC)

**Flamm. Limit LEL**

Not available

**Solubility in Water**

Slightly soluble

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**Other Properties**

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**Stability**

Product Name : 326 SPEED BONDER

Stable under normal conditions.

**Haz.****Polymerization**

Will not occur.

**Materials to Avoid**

Strong oxidisers, peroxides, copper and alloys, carbon steel, iron, rust, strong bases, amines, acids, free radical producing initiators. Destabilised and solidified by reducing agents. May slowly attack some THERMOPLASTICS.

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**Ingredients**

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<b>Ingredients</b>	<b><u>Name</u></b>	<b><u>CAS</u></b>	<b><u>Proportion</u></b>
	DIMETHACRYLATE URETHANE DIOL ADDUCT HIGH MOLECULAR WEIGHT BLOCK RESIN	Proprietary	0-60 %
	2-HYDROXYETHYL ACRYLATE	868-77-9	0-40 %
	ISO-BORNYL METHACRYLATE	7534-94-3	0-15 %
	Acrylic acid	79-10-7	0-3 %
	ORGANIC PEROXIDE	80-15-9	0-3 %
	SUBSTITUTED HYDRAZIDE	114-83-0	0-1 %
	SACCHARIN	81-07-2	0-1 %

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**HEALTH HAZARD INFORMATION**

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**Health Effects**

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**Acute – Swallowed**

No adverse effects expected however large amounts may cause nausea and vomiting.

**Acute – Eye**

Risk of serious damage to eyes. Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.

**Acute – Skin**

This product will be irritating to skin and can cause sensitisation in some individuals.

**Acute – Inhaled**

Inhalation of product vapours will cause irritation of the nose, throat and respiratory system.

**Chronic**

Prolonged or repeated skin contact may lead to allergic contact dermatitis and sensitisation in some individuals.

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**First Aid****Swallowed**

Do NOT induce vomiting. Contact a Poisons Information Centre (Phone 131 126) or a doctor for advice.

**Eye**

If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

**Skin**

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

**Inhaled**

Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. Apply artificial respiration if not breathing. Seek medical attention.

**First Aid****Facilities**

Eye wash station, safety shower and normal washroom facilities.

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**Advice to Doctor****Advice to Doctor**

Treat symptomatically.  
Contact HENKEL AUSTRALIA PTY. LTD.

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**Other Health Hazard Information****PRECAUTIONS FOR USE****Exposure Limits**

No exposure limits have been established for this material by the National Occupational Health And Safety Commission (NOHSC), however for the constituent;

SUBSTANCE	TWA		STEL		Notes
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Acrylic acid	2	5.9	-	-	'Sk'

**Other Exposure Info.**

'Sk' notice - absorption through the skin may be a significant source of exposure.

TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

**Eng. Controls**

Ensure sufficient ventilation to keep airborne concentrations below exposure limits. Mechanical exhaust ventilation may be required.

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**Personal Protection**

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**Respirator Type  
(AS 1716)**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

**Eye Protection**

Safety glasses with side shields, goggles or full faceshield should be worn as described in Australian Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Glove Type**

Polyethylene gloves should be worn to avoid prolonged skin contact.

**Clothing**

Suitable protective clothing should be worn e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

**Work/Hygienic Practices**

Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

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**Flammability**

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**Fire Hazards**

Classified as a Class C1 (COMBUSTIBLE LIQUID) for the purposes of storage and handling, in accordance with the requirements of AS1940. This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition.

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**SAFE HANDLING INFORMATION**

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**Storage and Transport**

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**Storage****Precautions**

Store in a cool, dry, well ventilated area away from sources of ignition. This product should be stored away from foodstuffs and strong oxidising agents. These products should be stored only in original Loctite containers or in recommended applicators. Preferred storage temperature range +5°C to +28°C. Never return residual unused product to original container as such residue may have become contaminated (e.g. by metal contact) and could reduce the stability of the bulk material. For information on the design of the store-room reference should be made to Australian Standard AS1940, The storage and handling of flammable and combustible liquids. Reference should also be made to any relevant Commonwealth, State or Territory regulations.

**Transport**

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**Other Storage****Info.**

HENKEL AUSTRALIA produces a complete range of manual, semi-automatic and automatic applicators for production requirements. Applicators help to speed production, eliminate waste and simplify adhesive handling. An applicator should always be used where the process involves workers continuously handling sharp threaded, serrated or rough cast materials which affect the sensitive areas of the hand.

**Proper Shipping****Name**

None Allocated

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**Spills and Disposal**

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**Spills & Leaks**

Remove all sources of ignition. Increase ventilation. Wear appropriate

breathing apparatus and full protective clothing to minimise skin and eye exposure. Place inert, non-combustible absorbent such as vermiculite, sand or dirt onto material. Collect the material and place into a suitable labelled container for subsequent disposal. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

**Disposal**

Dispose of according to relevant local, state and federal government regulations.

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**Fire/Explosion Hazard**

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**Fire/Explos.  
Hazard**

Combustible liquid. This product will burn if exposed to fire.

**Hazardous  
Combustion  
Products**

Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

**Fire Fighting  
Procedures**

Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

**Extinguishing  
Media**

Use dry agent, foam or water mist.

**Hazchem Code**

None Allocated

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**OTHER INFORMATION**

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**Toxicology**

The product is essentially NON TOXIC. However, HYDROXY ETHYL METHACRYLATE is a known skin irritant and all skin contact must be avoided. Use of an applicator is recommended. The product is an eye irritant due to the presence of ACRYLIC ACID at less than 3.0%. The product should never be allowed to contact damaged or microlacerated skin as there may be a risk of sensitization in sensitive individuals. Analogy with generally similar formulations would suggest an LD50 value greater than 5,000 mg/kg (oral, rats). The product has a relatively low volatility, but some ventilation may be advisable.

**Environ.  
Protection**

Prevent this material entering waterways, drains and sewers.

**Risk Statement**

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

**Safety Statement**

S13 Keep away from food, drink and animal feeding stuffs.

S25 Avoid contact with eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 Wear suitable gloves and eye/face protection.

**Hazard Category**

Irritant

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**CONTACT POINT**

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**Contact**

For emergency response: Gerard Buys - 0411 669 002  
Technical Services Manager

**...End Of MSDS...**