

Material Safety Data Sheet

Infosafe No.	1LO1L	Issue Date : June 2005	DRAFT by HENKAUST
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Product Name : **LOCTITE 680 HIGH STRENGTH RETAINING COMPOUND**

Classified as hazardous

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name LOCTITE 680 HIGH STRENGTH RETAINING COMPOUND
Product Use Retain and seal shafts, gears, pullys, sleeves, sprockets etc. Hight strength.
Company Name HENKEL AUSTRALIA PTY LTD (ABN 82 001 302 996)
Address 1 Clyde Street Silverwater
NSW 2229 Australia
Emergency Tel. See CONTACT POINT
Telephone Number/Fax Tel: 1300 885 556 Fax: (02) 9525 5643

Other Names	Name	Product Code
	LOCTITE 680 HIGH STRENGTH RETAINING COMPOUND (50 ml)	68050
	LOCTITE 680 HIGH STRENGTH RETAINING COMPOUND (250 ml)	68070

Other Information IMPORTANT NOTICE: This Material Safety Data Sheet (MSDS) is issued by Henkel Australia Pty Ltd in accordance with National Occupational Health and Safety Commission (NOHSC) guidelines. The information contained herein must not be altered, deleted or added to. Henkel Australia will issue new MSDSs when there is a change in product specifications and/or NOHSC guidelines/regulations. Henkel Australia has no objection to its MSDS being copied if: (a) the copy is made for safety related purposes; and (b) no alterations or amendments are made to the text or format of the MSDS. Henkel Australia does not guarantee the accuracy of any MSDS for our products which: (a) is not prepared by Henkel Australia; (b) is not authorised by Henkel Australia; (c) is not in the format originally supplied by Henkel Australia; or (d) has otherwise been amended or altered by a third party. Copyright [c] Henkel Australia Pty Ltd.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization	Liquid		
Ingredients	Name	CAS	Proportion
	Ethoxylated bisphenol A dimethacrylate	24448-20-2	30-60 %
	Hydroxypropyl methacrylate	27813-02-1	20-40 %
	Cumene hydroperoxide	80-15-9	1-3 %
	Ingredients determined not to be hazardous	Not required	Balance to 100%

3. HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin.
May cause sensitization by skin contact.

4. FIRST AID MEASURES

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.
Ingestion Do NOT induce vomiting. Wash out mouth with water and give plenty of water to drink. If symptoms develop seek medical attention.
Skin Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
Eye If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.
First Aid Facilities Eyewash station and normal washroom facilities.
Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media Use carbon dioxide, dry chemical or foam.
Hazardous Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including oxides of carbon, sulphur and nitrogen.

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

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Handling Use in a well ventilated area. DO NOT store or use in confined spaces. Build up of mists or vapours in the atmosphere must be prevented. Avoid breathing in spray or mists or vapours. Do not use near welding or other ignition sources and avoid sparks. Do not smoke. When dealing with large quantities, repeated or prolonged skin exposure without protection should be prevented in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. washing hands prior to eating, drinking, smoking or using toilet facilities.

Storage Store in a cool, dry, well-ventilated area, out of direct sunlight. Keep containers closed when not in use. Store in suitable, labelled containers. Ensure that storage complies with State and local regulations for the storage of dangerous goods.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC).

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. 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-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

Eng. Controls Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flame proof exhaust ventilation system is required.

Biological Limit Values No biological limit allocated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Green anaerobic viscous liquid.

Odour Mild odour.

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Melting Point	Not applicable.
Boiling Point	>149°C
Solubility in Water	Slightly soluble.
Specific Gravity (H2O=1)	1.11
pH Value	Not available.
Vapour Pressure	< 5 mmHg (@ 20°C)
Vapour Density (Air=1)	Not available.
Flash Point	>93°C Tagliabue closed cup.
Ignition Temperature	Not available.
Flammable Limits LEL	Not available.
Flammable Limits UEL	Not available.

10. STABILITY AND REACTIVITY

Stability	Stable under normal use conditons.
Hazardous Polymerization	Will not occur.
Materials to Avoid	Strong oxidisers.
Hazardous Decomposition Products	Oxides of carbon, sulphur, nitrogen and irritating organic vapours.
Hazardous Reaction	Reacts with incompatibles.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition and all incompatibles.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicology data available for this product.
Inhalation	Irritating to respiratory system. Inhalation of product vapours will cause irritation of the nose, throat and respiratory system.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	Irritating to skin resulting in redness and itching. This product may cause sensitisation in some individuals.
Eye	Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
Chronic Effects	Not available.

12. ECOLOGICAL INFORMATION

Environ. Protection	Do not allow product to enter drains, waterways or sewers.
Mobility	Not available.
Persistence / Degradability	Not available.
Ecotoxicity	Not available.

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, EPA and state regulations.

14. TRANSPORT INFORMATION

U.N. Number	Australia: Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. None Allocated
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Product Name : **LOCTITE 680 HIGH STRENGTH RETAINING COMPOUND**

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Proper Shipping Name None Allocated

DG Class None Allocated

Hazchem Code None Allocated

Packing Group None Allocated

15. REGULATORY INFORMATION

Risk Phrase R36/37/38 Irritating to eyes, respiratory system and skin.
R43 May cause sensitization by skin contact.

Safety Phrase S23 Do not breathe gas/fumes/vapour/spray
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of soap and water.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Poisons Schedule Not Scheduled

Hazard Category Irritant

16. OTHER INFORMATION

Contact Person/Point Technical Services Manager: Gerard Buys 1300 885 556 / 0411 669 002

SDS History MSDS review: May 2005.
...End Of MSDS...