



MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: LOCTITE 277 HIGH STRENGTH THREADLOCKER

Proper Shipping Name: None allocated.

Other Names: LOCTITE 277, LOCTITE 277 THREADLOCKER HIGH STRENGTH.

Part Number(s): 27770 (250 ml), 27750 (50 ml).

Use: Anaerobic sealant.

Supplier: HENKEL AUSTRALIA PTY. LIMITED ABN 82 001 302 996
TECHNOLOGIES
135-141 Canterbury Road, Kilsyth, Victoria, 3137. Tel: (03) 9724 6444
24 HOUR EMERGENCY CONTACT NUMBER Tel: (03) 9724 6556

SECTION 2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE:

Hazardous according to the criteria of ASCC. This material has been classified as Harmful (Xn) and Irritant (Xi).

Risk phrase(s):

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

Safety phrase(s):

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 suds.
S37/39 Wear suitable gloves and eye/face protection.
S46 If swallowed, seek medical advice immediately and show this container or label.

DANGEROUS GOODS INFORMATION:

Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

SUSDP POISON SCHEDULE: None allocated.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

| CHEMICAL ENTITY | CAS NO. | PROPORTION |
|--|--------------|------------|
| Polyglycol dimethacrylate | [25852-47-5] | 30-60% w/w |
| Bisphenol A fumarate resin | [39382-25-7] | 30-60% w/w |
| Cumene hydroperoxide | [80-15-9] | 1-<3% w/w |
| Other ingredients determined not to be hazardous | | to 100% |

SECTION 4. FIRST AID MEASURES

Ingestion: If swallowed, **do not** induce vomiting. For advice, contact a Poisons Information Centre (Phone 13 11 26) or a doctor.



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- Skin:** Remove contaminated clothing and wash affected areas with plenty of water. If irritation, redness or blistering occurs, seek medical attention.
- Eyes:** Hold eyes open and flush with water for at least 15 minutes. If irritation develops, seek medical attention.
- Inhalation:** If inhaled, remove from contaminated area. For all but the most minor symptoms, arrange for patient to be seen by a doctor.
- Advice to doctor:** Treat symptomatically.
- First Aid facilities:** Eye wash and normal washroom facilities. A safety shower is recommended.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use foam, dry chemical or carbon dioxide.

Hazards from combustion products: In a fire, it will burn. Under fire conditions, it can release oxides of carbon and noxious fumes.

Precautions for fire fighters and special protective equipment: If there is a risk of exposure to products of combustion, fire-fighters should wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Wear protective gloves, chemical goggles and safety boots. Wipe up residue with a cloth. For large spills contain and collect with inert absorbent materials (e.g. sand, earth, vermiculite) and transfer to sealable containers suitable for storing spilled material. Flush areas in contact with spilled material with adequate warm soapy water to render the area safe for human contact. Note: Residues are slightly water soluble. Do not contaminate waterways. Dispose of residues in chemical waste disposal area in accordance with relevant State and Federal requirements.

SECTION 7. HANDLING AND STORAGE

Safe Handling: Observe recommendations made under SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION. Use in a well ventilated area. Avoid breathing vapour.

Storage: Store indoors in a cool, dry and well ventilated area. Keep containers sealed when not in use. Store in original containers away from heat, sparks and open flames. Store at or below 38°C.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National exposure standards: None established.

Engineering controls: None required under normal conditions of use, but if vapour is being generated, provide adequate ventilation.

Personal protective equipment: Avoid contact with skin and eyes. Wear overalls, neoprene or butyl rubber gloves and safety glasses with side shields. Use in a well ventilated area. If inhalation risk exists, wear a respirator complying with the requirements of AS 1715 and AS 1716.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical data:

| | |
|---------------------|---------------------------|
| Appearance: | Red liquid. |
| Specific gravity: | 1.10 |
| Solubility: | Slightly soluble in water |
| Flash point (PMCC): | > 90°C |

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SECTION 10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of temperature and pressure.

Conditions to avoid: Open flames, sparks, strong heat.

Incompatible materials: Keep away from strong oxidising agents, acids and alkalies. This product is destabilised by strong reducing agents.

Hazardous decomposition products: Combustible liquid. In a fire, it can release oxides of carbon and noxious fumes.

Hazardous reactions: Hazardous polymerisation will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

Acute:

Ingestion: If swallowed, may cause gastrointestinal irritation.

Skin: Irritating to skin. May cause sensitisation by skin contact.

Eyes: Contact with the eyes can cause severe irritation or corneal damage.

Inhalation: Inhalation of vapours may cause respiratory irritation.

Chronic: Repeated or prolonged skin contact may cause dermatitis.

Toxicity information: None available for this product.

SECTION 12. ECOLOGICAL INFORMATION

Do not allow product to contaminate waterways or soil. This product is harmful to aquatic organisms.

SECTION 13. DISPOSAL CONSIDERATIONS

Keep unwanted material in sealed containers for disposal via chemical waste collections. Containers should be emptied prior to disposal at an approved land waste site.

SECTION 14. TRANSPORT INFORMATION

Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

SECTION 15. REGULATORY INFORMATION

SUSDP POISON SCHEDULE: None allocated

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:

ASCC - Australian Safety and Compensation Council

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons

Reference(s):

1. Henkel US. MSDS for LOCTITE 277 THREADLOCKER HIGH STRENGTH, December 2004

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DISCLAIMER:

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