



# MATERIAL SAFETY DATA SHEET

## SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** LOCTITE 577 THREAD SEALANT

**Proper Shipping Name:** None allocated.

**Other Names:** LOCTITE 577 FLANGE SEALANT, LOCTITE HIGH PRESSURE 577, LOCTITE 577 PIPE SEALANT.

**Product Code(s):** 229930, 281823

**Part Number(s):** 19259(50 ml), 34112 (250 ml)

**Use:** Anaerobic sealant for pipe fittings.

**Supplier:** HENKEL AUSTRALIA PTY. LIMITED ABN 82 001 302 996  
TECHNOLOGIES  
135-141 Canterbury Road, Kilsyth, Victoria, 3137. (03) 9728 7200  
24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

## SECTION 2. HAZARDS IDENTIFICATION

### STATEMENT OF HAZARDOUS NATURE:

Hazardous according to the criteria of NOHSC. This material has been classified as 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
Polyglycol dioctanoate	[18268-70-7]	10-30% w/w
Vinyl resin	[63148-65-2]	5-10% w/w
Alkyl C12 methacrylate	[142-90-5]	5-10% w/w
Tetradecyl methacrylate	[2549-53-3]	1-5% w/w
1-Acetyl-2-phenylhydrazine	[114-83-0]	< 1% w/w

**DATE OF MSDS:** 12.08.05  
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**REVISION OF:** November 2000  
PROPRIETARY PRODUCT:

**IDH NO:** -  
LOCTITE 577 THREAD SEALANT



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### 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.
- 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 may release carbon monoxide 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. Contain and collect spillage with inert absorbent materials (e.g. sand, earth, vermiculite). 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 allow to drain or watercourse. Dispose of solid 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 or mist is being generated, use a local mechanical exhaust

**Personal protective equipment:** Use good industrial hygiene. Avoid contact with skin and eyes. Wear overalls, neoprene or butyl rubber gloves and safety glasses with side shields. Use with adequate ventilation. If inhalation risk exists, wear a respirator complying with the requirements of AS 1715 and AS 1716.



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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical data:**

Appearance: Dark yellow paste.  
Specific gravity: 1.15-1.20  
Solubility: Slightly soluble in water  
Flash point (PMCC): > 90°C  
PH: 3-6

### SECTION 10. STABILITY AND REACTIVITY

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

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

**Incompatible materials:** Keep away from strong oxidising agents, acids and alkalis.

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

**Hazardous reactions:** None if used for intended purpose.

### 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 irritation.  
Inhalation: Inhalation of vapours may cause respiratory irritation.

**Chronic:** Repeated or prolonged skin contact may cause chronic dermatitis.

**Toxicity information:** None available for this product.

### SECTION 12. ECOLOGICAL INFORMATION

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

### SECTION 13. DISPOSAL CONSIDERATIONS

Empty containers should be disposed of at approved landfill 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).



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### SECTION 15. REGULATORY INFORMATION

SUSDP POISON SCHEDULE: None allocated

### SECTION 16. OTHER INFORMATION

**Abbreviations/acronyms:**

NOHSC - National Occupational Health and Safety Commission

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons

**Reference(s):**

1. Henkel US. MSDS for LOCTITE 577 THREAD SEALANT, April 2005

**DISCLAIMER:**

The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel Australia Pty. Limited, but only as an approximate guide to the content of hazardous ingredients in the material. The information contained herein does not constitute a guarantee by Henkel Australia Pty. Limited concerning the properties of the material.

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