



MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: LOCTITE 3801 FIVE MINUTE EPOXY ADHESIVE (HARDENER)

Proper Shipping Name: None allocated

Product Code(s): 168330

Part Number(s): 20981

Use: Two-part epoxy based adhesive. LOCTITE 3801 FIVE MINUTE EPOXY ADHESIVE (HARDENER) is used in conjunction with the RESIN.

Supplier: HENKEL AUSTRALIA PTY. LIMITED ABN 82 001 302 996
ADHESIVE TECHNOLOGIES
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24 HOUR EMERGENCY CONTACT NUMBER Tel: (03) 9724 6556

SECTION 2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE:

Classified as hazardous according to the criteria of ASCC. This material has been classified as Corrosive (C) and Irritant (Xi).

Risk Phrase(s):

R34 Causes burns.
R41 Risk of serious eye damage.
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: 5

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

CHEMICAL ENTITY	CAS NO.	PROPORTION
Polymercaptan	[72244-98-5]	> 60% w/w
2,4,6-Tris (dimethylaminomethyl) phenol	[90-72-2]	1-10% w/w
Aminoethylpiperazine	[140-31-8]	1-10% w/w
Aliphatic amine		1-10% w/w
Silica amorphous, fumed	[112-45-52-5]	<2% w/w



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SECTION 4. FIRST AID MEASURES

- Ingestion:** If swallowed, **do not** induce vomiting. Seek medical attention or contact a Poisons Information Centre (Phone 13 11 26).
- Skin:** Remove contaminated clothing and wash affected areas with plenty of soap and water. If irritation occurs, seek medical attention.
- Eyes:** Hold eyes open and flush with water for at least 15 minutes. 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

SECTION 5. FIRE FIGHTING MEASURES

- Suitable extinguishing media:** Carbon dioxide, foam, dry chemical, water fog
- Hazards from combustion products:** Combustible liquid. In a fire, it will emit oxides of carbon, oxides of sulphur, oxides of nitrogen and noxious fumes.
- Precautions for fire fighters and special protective equipment:** If there is a risk of exposure to products of combustion, then fire-fighters should wear full protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Wear impervious gloves, chemical goggles and boots. For smaller spills, wipe up with a cloth. For larger spills, contain and collect spillage with inert absorbent materials (e.g. sand, earth, vermiculite) and transfer to sealable containers suitable for storing spilled material. Use a polar organic solvent to clean up areas in contact with spilled material. Prevent product from entering 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. Wear impervious gloves and chemical splash goggles. Upon mixing hardener with resin, the adhesive will release heat and begin to cure. Do not cut or heat empty containers, as they may contain product residue. If the cured material is cut or dry sanded, wear an approved particulate respirator.

Storage: Store indoors in a cool, dry, well ventilated area. Keep containers sealed when not in use. Protect from physical damage and direct sunlight.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- National exposure standards:** None established
- Engineering controls:** In confined areas, use a local mechanical exhaust system if vapour is being generated.

Personal protective equipment: Use good industrial hygiene. Avoid contact with skin and eyes. Wear overalls, safety footwear, impervious gloves and chemical splash goggles. Use in a well

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ventilated area. In poorly ventilated areas, wear a respirator complying with the requirements of AS 1715 and AS 1716.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical data:

Appearance: Amber liquid
Specific gravity: 1.04
Solubility: Slightly soluble in water
Flash point: >93°C
Odour: Mercaptan
VOC content: 3.7%

SECTION 10. STABILITY AND REACTIVITY

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

Conditions to avoid: Avoid heat, ignition sources and flames.

Incompatible materials: Keep away from acids, alkalies and oxidising agents.

Hazardous decomposition products: When heated to decomposition, it will emit oxides of carbon, oxides of sulphur, oxides of nitrogen and noxious fumes.

Hazardous reactions: Exothermic polymerisation will occur with epoxy resins.

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

Acute:

Ingestion: If swallowed, this product will cause irritation to the mouth, throat and digestive tract.

Skin: Contact with the skin can result in irritation. This product may cause skin sensitisation in susceptible individuals.

Eyes: Contact with the eyes can cause severe irritation.

Inhalation: Inhalation of vapour may cause irritation to the respiratory tract.

Chronic: Repeated skin contact may lead to dermatitis.

Toxicity information: Acute Oral LD₅₀ (rat) : 1637 mg/kg as tris (dimethylaminomethyl) phenol.

SECTION 12. ECOLOGICAL INFORMATION

No ecological information is available for this product. Do not contaminate waterways and soil.

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of any unwanted material via chemical waste collections. Empty containers should be recycled or disposed of at an approved land waste site.

SECTION 14. TRANSPORT INFORMATION

UN Number: 2735
Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS AMINOETHYLPIPERAZINE AND ALIPHATIC AMINES)
Class: 8
Packaging Group: II
Hazchem Code: 3X



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Emergency Information: Refer to Dangerous Goods-Initial Emergency Response Guild (SAA/SNZ HB76) or EPG 8A1

SECTION 15. REGULATORY INFORMATION

SUSDP POISON SCHEDULE: 5

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:

ASCC - Australian Safety and Compensation Council

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons

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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