



MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: LOCTITE 7649 PRIMER

Proper Shipping Name: ACETONE

Other Name(s): PRIMER N

Product Code(s): 471315, 471318

Part Number(s): 24063 (2 litres), 22410 (100 ml)

Use: General purpose primer used to fast cure Loctite anaerobic adhesives

Supplier: HENKEL AUSTRALIA PTY. LIMITED ABN 82 001 302 996
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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):

R11 Highly flammable.
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Safety phrase(s):

S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition.
S23 Do not breathe vapour.
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.
S29 Do not empty into drains.
S33 Take precautionary measures against static discharges.
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well ventilated areas.

DANGEROUS GOODS INFORMATION:

Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

Class: 3 – Flammable liquid

SUSDP POISON SCHEDULE: 5

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

CHEMICAL ENTITY	CAS NO.	PROPORTION
Acetone	[67-64-1]	> 80% w/w
Aliphatic alcohol		< 5% w/w
Amine compound		< 1%

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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 soap and water. If irritation occurs, seek medical attention.

Eyes: Hold eyes open and flush with water. If irritation persists, 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 safety shower

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use extinguishing media suitable for principal cause of fire.

Hazards from combustion products: Under fire conditions, it will produce irritating fumes.

Precautions for fire fighters and special protective equipment: Flammable liquid. Vapours are heavier than air and may accumulate in low areas or poorly ventilated areas to be ignited at locations distant from the handling site. Evacuate unprotected personnel from hazardous area. Fire-fighters should wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Isolate all potential sources of ignition. Wear protective gloves, chemical goggles. For small 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. Wash areas in contact with spilled material with adequate water to render the area safe for human contact. Wash down waters may still contain residues which require treatment through local effluent treatment plant. 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 with adequate ventilation. Keep away from sources of ignition. Wear butyl rubber gloves¹ and chemical splash goggles. Empty containers may contain product residue. Do not pressurize or heat containers. Use full flameproof equipment and procedures.

Storage: Store indoors in a cool, dry, well ventilated area. Keep containers sealed when not in use. Protect from physical damage. Keep away from incompatible materials. Store according to relevant State Dangerous Goods Storage Requirements.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National exposure standards: TWA : 500 ppm (1185 mg/m³) as acetone

Engineering controls: A local mechanical exhaust system is required where vapour or mist is being generated.



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Personal protective equipment: Use good industrial hygiene. Avoid contact with skin and eyes. Wear overalls, safety footwear, butyl rubber gloves and chemical splash goggles. Use with adequate ventilation. If inhalation risk exists, wear an organic vapour respirator complying with the requirements of AS 1715 and AS 1716.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical data:

Appearance: Green liquid
Specific gravity: 0.79 @ 20°C
Solubility: Miscible with water
Flash Point (CC): -17.7°C
Boiling Point: 57°C
Vapour Density (air = 1): 2.0

SECTION 10. STABILITY AND REACTIVITY

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

Conditions to avoid: Heat, naked flames, sparks.

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

Hazardous decomposition products: When heated to decomposition, it will emit irritating fumes.

Hazardous reactions: Product will not polymerise.

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

Acute:

Ingestion: If swallowed, may cause nausea, vomiting, abdominal pain, metabolic changes and harmful effects to the liver and kidneys.

Skin: Contact with the skin can result in irritation. May be absorbed through the skin with possible systemic effects.

Eyes: Liquid contact with the eyes can cause irritation.

Inhalation: Inhalation of vapour or mist may cause respiratory irritation, nausea, headache, dizziness and drowsiness.

Chronic: Repeated or prolonged skin contact may cause defatting of the skin and lead to dermatitis.

Toxicity information: Inh TDLo (man) : 10 mg/m³/6H as acetone
Oral TDLo (man) : 2857 mg/kg as acetone

SECTION 12. ECOLOGICAL INFORMATION

Avoid contaminating watercourse and soil. Acetone is readily biodegradable.

¹Fish toxicity: 96 hr LC₅₀ (L. macrochirus) : 8300 mg/l as acetone

¹Daphnia toxicity: 48 hr EC₅₀ (Daphnia magna) : 2600-12700 mg/l as acetone

SECTION 13. DISPOSAL CONSIDERATIONS

Normally suitable for disposal by incineration in approved incineration plant. Containers should be rinsed with water and then re-used or disposed of at an approved land waste site.



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SECTION 14. TRANSPORT INFORMATION

UN Number: 1090
Proper Shipping Name: ACETONE
Class: 3, Flammable
Packing Group: II
Hazchem code: 2[Y]E
Emergency Information: Dangerous Goods-Initial Emergency Response Guide (SAA/SNZ HB 76) or EPG 3A1

SECTION 15. REGULATORY INFORMATION

SUSDP POISON SCHEDULE: 5

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:

NOHSC - National Occupational Health and Safety Commission
SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons
TWA - Time-weighted average

Reference:

1. Quick Selection Guide to Chemical Protective Clothing, Fourth Edition, 2003: Forsberg and Mansdorf, Wiley-Interscience.
2. Ecological data: Merck MSDS for Acetone, January 2003.

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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