

Material Safety Data Sheet

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Infosafe No. L0022	Issue Date: September 2000	RE-ISSUED by LOCTITE
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Product Name : LOCTITE 7649 PRIMER

Classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

Company Name HENKEL AUSTRALIA PTY LTD
Address 3 Endeavour Road Caringbah
 NSW 2229
Emergency Tel. See CONTACT POINT
Tel/Fax Tel: (02) 9525 8366 Fax: (02) 9525 5643
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.

IDENTIFICATION

Product Code 22410
Product Name LOCTITE 7649 PRIMER
Proper Shipping Name ACETONE
Other Names

<u>Name</u>	<u>Product Code</u>
LOCTITE 7649 PRIMER 2L (PRIMER N REPLACEMENT)	24063

UN Number 1090
DG Class 3
Packing Group II
Hazchem Code 2[Y]E
Poisons Schedule S5
Product Use USED TO CURE LOCTITE ANAEROBIC ADHESIVES ON INACTIVE SURFACES AND SPEED THEIR CURE ON ACTIVE SURFACES.

Physical Data

Appearance LIQUID, COLOUR GREEN, LARGELY VOLATILE, STRONG SOLVENT-LIKE ODOUR.
Melting Point N/A
Boiling Point 57°C
Vapour Pressure 172 mm Hg @ 20°C
Specific Gravity 0.8 (APPROXIMATELY)
Flash Point -17°C (TCC)
Flamm. Limit LEL (% by volume in air) Lower:- 2.15 Upper:- 13.3
Explosion Data (% by volume in air) Lower:- 2.6 Upper:-13.0
Solubility in Water Miscible

Other Properties

Volatile Component 97.5%
Autoignition Temp. N/A
Vapour Density N/A
pH Value N/A
Form Liquid

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Decomposition Temperature N/A

Molecular Weight N/A

Ingredients

Ingredients	Name	CAS	Proportion
	Acetone	67-64-1	95-100 %
	Other ingredients determined not to be hazardous	Not required	0-5 %
	2-Ethylhexanoic acid		0.1-1 %

HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed Headache and dizziness. Ingestion can cause nausea and vomiting. Narcosis. Ingestion of large quantities may cause liver or kidney damage.

Acute - Eye May cause mild irritation to the eyes. Will cause transient redness, lachrymation and inflammation of the eyelids. Not expected to cause permanent eye damage.

Acute - Skin Not expected to be irritating to the skin, however will have a degreasing action on the skin making it susceptible to attack from other chemicals. Can cause stinging if applied to broken skin.

Acute - Inhaled Prolonged exposure to the vapours can cause headache, nausea, loss of appetite, dullness and possibly sore throat. Ventilation is IMPORTANT in areas where the product is used. Vapour is narcotic in high concentrations, and overexposure may result dizziness, incoordination, fatigue, and loss of consciousness.

Chronic Repeated or prolonged skin contact can cause chronic dermatitis. Ingestion of large quantities may cause liver or kidney damage.

Route(s) of Entry ACETONE: Inhalation and skin contact are expected to be the primary routes of occupational exposure. Because of its high volatility significant absorption through the skin is unlikely unless evaporation is prevented.

First Aid

Swallowed Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. Seek medical advice.

Eye Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.

Skin Wash with plenty of soap and water. First rinse with plenty of water, then remove contaminated clothes, rinse again, If swelling, redness, blistering or irritation occurs seek medical advice.

Inhaled Seek medical attention. Remove victim to fresh air. Recovery should be rapid after removal from exposure. Employ artificial respiration if indicated. Seek medical advice.

First Aid Facilities Eyewash station and normal washroom facilities must be provided, and a safetyshower is strongly recommended.

Advice to Doctor

Advice to Doctor Treat symptomatically. Refer to TOXICITY DATA SECTION. Contact LOCTITE AUSTRALIA PTY. LTD. CNS depression, tachycardia and hypotension are common effects.

Other Health Hazard Information

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Entry Route(s) ACETONE: Inhalation and skin contact are expected to be the primary routes of occupational exposure. Because of its high volatility significant absorption through the skin is unlikely unless evaporation is prevented.

PRECAUTIONS FOR USE

Exposure Limits No exposure standard has been established by Worksafe Australia (WSA), for this product; but a standard does exist for the following ingredient/s:

SUBSTANCE	TWA	STEL
Acetone:	500 ppm	1,185 mg/m ³
	1000 ppm	2,375mg/m ³

Refer to TOXICITY DATA SECTION. The odour of acetone is detected by most individuals, at 100 ppm in air.

Eng. Controls Use in a well ventilated area only. Use with local exhaust ventilation or while wearing appropriate respirator. Must be sufficient to prevent breathing of vapour. Maintain concentration below recommended exposure limit.

Personal Protection

Protective Equip. Wearing of the following personal protective equipment is recommended. Plastic or rubber gloves. Safety glasses, goggles or faceshield as appropriate. Do not smoke. Remove any naked lights or strong heat sources. Avoid inhaling the vapour, mist or dust. Where engineering controls are inadequate, an organic vapour (Type A) respirator as specified by AS/NZS 1715 and 1716 is recommended.

Flammability

Fire Hazards Keep away from heat, sparks or naked flames. May form explosive mixtures with air. Highly flammable.

SAFE HANDLING INFORMATION

Storage and Transport

Storage and Transport Store in a cool, well-ventilated area at a temperature no greater than 30°C, out of direct sunlight.
Transportation: UN Number 1090, Class 3 Flammable Liquid, Pack Grp II, Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Proper Shipping Name ACETONE

EPG Number 3A1

IERG Number 14

Packaging Method 5.9.3RT1

Spills and Disposal

Spills & Disposal SPILL OR LEAK: Keep people away and upwind. Remove all ignition sources. Shut off leak if this can be done without risk. If necessary to enter spill area, wear self contained breathing apparatus. Use water spray to reduce vapours. Contain spill. Pump into salvage tank or absorb with sand, earth or vermiculite and seal in drums for disposal. Keep out of sewers, stormwater drains and waterways.
In the event of a small spill. Shut off all possible sources of ignition. Wipe up residue with a cloth. Use absorbent (soil or sand, sawdust, inert material, vermiculite).

Fire/Explosion Hazard

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Fire/Explos. Hazard Material is highly volatile; vapour may travel considerable distances to sources of ignition and flash back.
Extinguish fire with the following: Use CO₂, dry chemical or BCF for small fires. Use 'alcohol' type foam for large fires; water spray will reduce the intensity of flames and can be used to cool containers.
Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Hazardous Reaction Stable, no hazardous polymerisation; no hazardous decomposition products (non thermal) formed. Incompatible with strong oxidisers.

Hazchem Code 2[Y]E

OTHER INFORMATION

Toxicology Human experience indicates the toxicity of acetone is low for acute exposures. There have been no reports of significant toxic effects from chronic exposures. Although acetone is rapidly eliminated from the body there are reports which suggest that slight accumulation of acetone in the body can occur following daily exposures to high airborne concentrations (800-1000ppm) during the working week. Elimination from the body was complete in the absence of exposure over the following weekend. Slight increases in reaction time have been reported in laboratory neurobehavioural tests in which individuals were exposed to 250-500ppm acetone for 6 hours per day for 6 days. The health implications of these studies are not known.
Estimated Oral LD50 (rat): > 2000mg/kg
Estimated Dermal LD50 (rabbit): 2000mg/KG

Environ. Protection Not available.

Risk Statement R11 Highly flammable.
R36 Irritating to eyes.

Safety Statement S16 Keep away from sources of ignition - No smoking.
S2 Keep out of reach of children.
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.
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well ventilated areas.

Hazard Category Irritant

CONTACT POINT

Contact Technical Services Manager: Gerard Buys (02)9525 8366 / 0411 669 002
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