

# Material Safety Data Sheet

Infosafe No.                    L0022                    Issue Date: July 2005                    ISSUED by LOCTITE  
Product Name:                    **LOCTITE 7649 PRIMER**

**Classified as hazardous**

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

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### Product Name

LOCTITE 7649 PRIMER

### Product Code

22410

### Product Use

USED TO CURE LOCTITE ANAEROBIC ADHESIVES ON INACTIVE SURFACES AND SPEED THEIR CURE ON ACTIVE SURFACES.

### Company Name

HENKEL AUSTRALIA PTY LTD (ABN 82 001 302 996)

### Address

1 Clyde Street Silverwater  
NSW 2128 Australia

### Emergency Tel.

See CONTACT POINT

### Telephone/Telex

### Number

Tel: 1300 885 556    Fax: (03) 9761 7179

### Other Names

#### Name

LOCTITE 7649 PRIMER 2L  
(PRIMER N REPLACEMENT)

#### Mancode

24063

### Other Information

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

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### Chemical

### Characterization

Liquid

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard</u>	<u>R Phrase</u>
	Acetone	67-64-1	60-100 %		
	2-Ethylhexanoic acid		0.1-1 %		

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## 3. HAZARDS IDENTIFICATION

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Classified as a Hazardous Substance according to the criteria of NOHSC.  
Classified as dangerous goods according to the ADG Code.

### Risk phrases:

R11 Highly flammable.

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness and cracking.

R67 Vapours may cause drowsiness and dizziness.

### Safety phrases:

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.

S29 Do not empty into drains.

S33 Take precautionary measures against static discharge.

S51 Use only in well ventilated areas.

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## 4. FIRST AID MEASURES

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### Inhalation

Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. Apply artificial respiration if not breathing. Seek medical attention.

### Ingestion

Do NOT induce vomiting. Wash out mouth with water. Seek medical attention.

### Skin

Wash affected area thoroughly with copious amounts of running water. Remove

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contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

**Eye**

If contact with the eye(s) occur, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. In all cases of eye contamination it is a sensible precaution to seek medical advice.

**First Aid****Facilities**

Eyewash station and normal washroom facilities must be provided, and a safety shower is strongly recommended.

**Advice to Doctor**

Treat symptomatically.

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**5. FIRE FIGHTING MEASURES**

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**Extinguishing****Media**

Use dry chemical powder, carbon dioxide or foam.  
Do NOT use water jets. Cool fire exposed containers with water spray.

**Specific Hazards**

This product is extremely flammable. Vapours are heavier than air and will 'travel' to low-level areas e.g. sumps, drains, etc. and flashback. Precautions should be taken to eliminate the build up of explosive mixtures.

**Hazardous****Combustion****Products**

Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide and oxides of nitrogen.

**Decomposition****Temp.**

N/A

**Precautions in****connection with****Fire**

Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

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**6. ACCIDENTAL RELEASE MEASURES**

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Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent material onto spillage. Use clean

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non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

## 7. HANDLING AND STORAGE

### Handling

Open containers cautiously as contents may be under pressure. Use only in a well ventilated area. DO NOT store or use in confined spaces. Do not enter these areas without respiratory protection or until the atmosphere has been checked. Keep tank covered and containers sealed when not in use. Build up of mists or vapours in the atmosphere must be prevented. Avoid inhalation of vapour and mists. Do not use near welding or other ignition sources and avoid sparks. Do NOT pressurise, cut, heat or weld containers as they may contain hazardous residues. Do not smoke. When dealing with large quantities, repeated or prolonged exposure without protection should be prevented in order to lessen the possibility of disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. Washing hands prior to eating, drinking, smoking or using toilet facilities.

### Storage

Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Always keep in containers made of the same material as the supply container. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Do not stack more than 3 pallets high. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all State and Federal regulations.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

### Exposure Limits

No exposure limits have been established for this material by the National Occupational Health And Safety Commission (NOHSC), however for the constituent;

SUBSTANCE	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Acetone	500	1185	1000	2375

### Other Exposure Information

TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15

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minute period which should not be exceeded at any time during a normal eight-hour workday.

**Respiratory Protection**

If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

**Eye Protection**

Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances ie. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection**

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances ie. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

**Body Protection**

Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

**Eng. Controls**

Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 2430.3.1: Classification of hazardous areas - Examples of area classification - General, for further information concerning ventilation requirements.

**Other Information**

Biological Limit Values: No biological limit allocated.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance**

LIQUID, COLOUR GREEN, LARGELY VOLATILE, STRONG SOLVENT-LIKE ODOUR.

**Decomposition****Temperature**

N/A

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**Melting Point**

N/A

**Boiling Point**

56 C

**Solubility in Water**

Miscible

**Specific Gravity (H<sub>2</sub>O=1)**

0.8 (APPROXIMATELY)

**pH Value**

N/A

**Vapour Density (Air=1)**

2.0

**Evaporation Rate**

1.9 (Ether = 1)

**Volatile Component**

97.5%

**Flash Point**

-20 c (TCC)

**Flammability**

HIGHLY FLAMMABLE. This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition. Electrically link and ground metal containers for transfers of the product to prevent accumulation of static electricity. Keep the container tightly closed.

**Ignition****Temperature**

N/A

**Flammable Limits****LEL**

2.6%

**Flammable Limits****UEL**

13%

**Explosion****Properties**

(% by volume in air) Lower:- 2.6 Upper:-13.0

**Molecular Weight**

N/A

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**10. STABILITY AND REACTIVITY**

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Product Name : LOCTITE 7649 PRIMER

**Stability**

Stable under normal conditions.

**Hazardous  
Polymerization**

Will not occur.

**Materials to Avoid**

Strong oxidising agents.

**Hazardous  
Decomposition  
Products**

Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

**Hazardous Reaction**

Will react with strong oxidising agents.

**Conditions to  
Avoid**

Heat, direct sunlight, open flames or other sources of ignition.

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**11. TOXICOLOGICAL INFORMATION**

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**Toxicology  
Information**

No toxicity data is available for this specific product, however toxicity data for constituents are stated below:

**Acetone:**

LD50 (oral, rat): 5,800 mg/kg

LC50 (Inhalation, rat): 50,100 mg/m<sup>3</sup>/8H

LD50 (dermal, rabbit): 20,000 mg/kg

**Inhalation**

May cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms include sneezing, coughing, wheezing, shortness of breath, headache, dizziness, nausea and vomiting.

**Ingestion**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

**Skin**

May cause redness, itching and irritation. Prolonged contact with skin may cause blistering, and repeated contact may have a defatting effect causing dryness and cracking.

**Eye**

Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

**Chronic Effects**

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Prolonged or repeated skin contact may lead to allergic contact dermatitis and sensitisation in some individuals. Prolonged inhalation may cause central nervous system depression with symptoms including dizziness, drowsiness, nausea and headaches.

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## 12. ECOLOGICAL INFORMATION

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### **Environ. Protection**

Do not allow product to enter drains, waterways or sewers.

### **Persistence / Degradability**

No data is available for this material.

### **Ecotoxicity**

No data is available for this material.

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## 13. DISPOSAL CONSIDERATIONS

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Dispose of waste according to federal, EPA and state regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise highly flammable nature.

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## 14. TRANSPORT INFORMATION

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### **U.N. Number**

1993

### **Proper Shipping Name**

FLAMMABLE LIQUIDS, N.O.S.

### **DG Class**

3

### **Hazchem Code**

3 [Y] E

### **EPG Number**

3A1

### **Packing Group**

II

### **Storage and**

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**Transport**

Store in a cool, well-ventilated area at a temperature no greater than 30 C, out of direct sunlight.

**IERG Number**

14

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**15. REGULATORY INFORMATION**

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**Risk Phrase**

R11 Highly flammable.  
R36 Irritating to eyes.  
R43 May cause sensitization by skin contact.  
R63 Possible risk of harm to the unborn child.  
R67 Vapours may cause drowsiness and dizziness

**Safety Phrase**

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.  
S29 Do not empty into drains.  
S33 Take precautionary measures against static discharges.  
S37/39 Wear suitable gloves and eye/face protection.  
S51 Use only in well ventilated areas.

**Poisons Schedule**

S5

**Hazard Category**

Harmful, Irritant

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**16. OTHER INFORMATION**

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**Contact**

**Person/Point**

Technical Services Manager: Gerard Buys 1300 885 556 / 0411 669 002

**...End Of MSDS...**