



Revision Number: 003.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE® 7471™ Primer LOCQUIC® PRIMER T
Product type: activator
Company address: Henkel Corporation
 One Henkel Way
 Rocky Hill, Connecticut 06067

IDH number: 135285
Item number: 19267
Region: United States
Contact information:
 Telephone: 860.571.5100
 Emergency telephone: 860.571.5100
 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

| | | | |
|------------------------|--------------------|-----------------------------|--------------------|
| Physical state: | Liquid | HMIS: | |
| Color: | Amber to yellowish | HEALTH: | *1 |
| Odor: | Acetone | FLAMMABILITY: | 3 |
| | | PHYSICAL HAZARD: | 0 |
| | | Personal Protection: | See MSDS Section 8 |

DANGER: FLAMMABLE LIQUID AND VAPOR.
 CAUSES EYE AND SKIN IRRITATION.
 MAY CAUSE RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Lungs, Skin, Eyes, Ingestion

Potential Health Effects

Inhalation: May cause respiratory tract irritation. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.
Skin contact: Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis. Causes skin irritation.
Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation.
Ingestion: May cause central nervous system effects, such as headache, nausea, vomiting, abdominal pain, dizziness, confusion, and breathing difficulties. May cause gastrointestinal tract irritation if swallowed.

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous components | CAS NUMBER | % |
|--|------------|----------|
| Acetone | 67-64-1 | 60 - 100 |
| 2-Propanol | 67-63-0 | 10 - 30 |
| 2,2'-[(4-methylphenyl)imino]bisethanol | 3077-12-1 | 1 - 5 |
| 2-Mercaptobenzothiazole | 149-30-4 | 0.1 - 1 |

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, seek medical advice.

| | |
|----------------------|---|
| Skin contact: | Wash with soap and water. |
| Eye contact: | Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. |
| Ingestion: | If conscious, drink plenty of water. Get medical attention. Do not induce vomiting. Keep individual calm. |

5. FIRE FIGHTING MEASURES

| | |
|--|---|
| Flash point: | -8 °C (17.6 °F) ; Estimated |
| Autoignition temperature: | Not available |
| Flammable/Explosive limits - lower: | Not available |
| Flammable/Explosive limits - upper: | Not available |
| Extinguishing media: | Foam, dry chemical or carbon dioxide. |
| Special firefighting procedures: | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| Unusual fire or explosion hazards: | Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back. |
| Hazardous combustion products: | Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Irritating organic vapours. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---|--|
| Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel. | |
| Environmental precautions: | Do not allow product to enter sewer or waterways. |
| Clean-up methods: | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Ensure adequate ventilation. Remove all sources of ignition. Store in a partly filled, closed container until disposal. |

7. HANDLING AND STORAGE

| | |
|------------------|--|
| Handling: | Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. During use and until all vapors are gone: Keep area ventilated - do not smoke; extinguish all flames, pilot lights, and heaters; turn off stoves, electrical tools and appliances, and any other sources of ignition. |
| Storage: | For safe storage, store at or below 49 °C (120.2 °F) Store away from heat, sparks, flames, or other sources of ignition. |

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

| Hazardous components | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER |
|--|-----------------------------|--|--|-------|
| Acetone | 500 ppm TWA 750 ppm STEL | 1,000 ppm (2,400 mg/m ³) TWA | None | None |
| 2-Propanol | 200 ppm TWA 400 ppm STEL | 400 ppm (980 mg/m ³) TWA | None | None |
| 2,2'-[(4-methylphenyl)imino]bisethanol | None | None | None | None |
| 2-Mercaptobenzothiazole | None | None | 5 mg/m ³ TWA (SKIN) (Skin sensitizer) | None |

| | |
|--------------------------------|---|
| Engineering controls: | Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits. |
| Respiratory protection: | Use NIOSH approved respirator if there is potential to exceed exposure limit(s). |
| Eye/face protection: | Safety goggles or safety glasses with side shields. |
| Skin protection: | Chemical resistant, impermeable gloves. Recommended gloves include rubber and neoprene. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-------------------------------|
| Physical state: | Liquid |
| Color: | Amber to yellowish |
| Odor: | Acetone |
| Odor threshold: | Not available |
| pH: | Not available |
| Vapor pressure: | 172 mm hg (20 °C (68°F)) |
| Boiling point/range: | Not available |
| Melting point/ range: | Not available |
| Specific gravity: | 0.7953 |
| Vapor density: | Not available |
| Flash point: | -8 °C (17.6 °F) ; Estimated |
| Flammable/Explosive limits - lower: | Not available |
| Flammable/Explosive limits - upper: | Not available |
| Autoignition temperature: | Not available |
| Evaporation rate: | Not available |
| Solubility in water: | fully miscible |
| Partition coefficient (n-octanol/water): | Not available |
| VOC content: | 13.3 %; 106 g/l EPA Method 24 |

10. STABILITY AND REACTIVITY

| | |
|--|---|
| Stability: | Stable |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Irritating organic vapours. Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. |
| Incompatible materials: | Acids. Strong oxidizing agents. |
| Conditions to avoid: | See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10). |

11. TOXICOLOGICAL INFORMATION

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|----------------|-----------------|--|
| Acetone | No | No | No |
| 2-Propanol | No | No | No |
| 2,2'-[(4-methylphenyl)imino]bisethanol | No | No | No |
| 2-Mercaptobenzothiazole | No | No | No |

| Hazardous components | Health Effects/Target Organs |
|--|---|
| Acetone | Blood, Central nervous system, Irritant, Reproductive |
| 2-Propanol | Allergen, Blood, Brain, Central nervous system, Irritant, Kidney, Liver, Spleen |
| 2,2'-[(4-methylphenyl)imino]bisethanol | Allergen |
| 2-Mercaptobenzothiazole | Allergen, Kidney, Some evidence of carcinogenicity |

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Flammable liquids, n.o.s. (Acetone, Isopropanol)
Hazard class or division: 3
Identification number: UN 1993
Packing group: II
Exceptions: ORM-D, (Not more than 1 L), Consumer Commodity

International Air Transportation (ICAO/IATA)

Proper shipping name: Flammable liquid, n.o.s. (Acetone, Isopropanol)
Hazard class or division: 3
Identification number: UN 1993
Packing group: II
Exceptions: (Not more than 500 ml), ID8000, May Qualify as Consumer Commodity

Water Transportation (IMO/IMDG)

Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Acetone, Isopropanol)
Hazard class or division: 3
Identification number: UN 1993
Packing group: II
Exceptions: Limited quantity (Not more than 1 L).

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12(b) Export Notification: None above reporting de minimus
CERCLA/SARA Section 302 EHS: None above reporting de minimus
CERCLA/SARA Section 311/312: Delayed Health, Immediate Health, Fire
CERCLA/SARA 313: None above reporting de minimus
CERCLA Reportable quantity: Acetone (CAS# 67-64-1) 5,000 lbs. (2,270 kg)
California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
WHMIS hazard class: B.2, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

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