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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Loctite(R) 7471 Primer T  
**Product type:** Activator  
**Company address:**  
Henkel Corporation  
One Henkel Way  
Rocky Hill, Connecticut 06067

**Item No. :** 19268 / IDH No. 229932  
**Region:** United States  
**Contact Information:**  
Telephone: (860) 571-5100  
Emergency telephone: (860) 571-5100  
Internet: www.henkelna.com

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Acetone 67-64-1	60-100	500 ppm TWA 750 ppm STEL	1000 ppm TWA 2400 mg/m <sup>3</sup> TWA	None
Isopropyl alcohol 67-63-0	10-30	200 ppm TWA 400 ppm STEL	400 ppm TWA 980 mg/m <sup>3</sup> TWA	None
Ethanol,2,2' - (4-methylphenyl)imino bis- 3077-12-1	1-5	None	None	None
2-Mercaptobenzothiazole 149-30-4	0.1-1	None	None	5 mg/m <sup>3</sup> , skin, dermal sensitizer TWA, (WEEL)

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**Physical state:** Liquid  
**Color:** Yellow to Amber  
**Odor:** Acetone

#### HMIS:

**HEALTH:** 2\*  
**FLAMMABILITY:** 3  
**PHYSICAL HAZARD:** 0  
**Personal Protection:** See Section 8

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

**Relevant routes of exposure:** Inhalation, Skin contact, Eyes, Ingestion

#### Potential Health Effects

**Inhalation:** May cause respiratory tract irritation. Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.  
**Skin contact:** Irritating to skin. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.  
**Eye contact:** Vapors may irritate eyes. Contact with eyes will cause irritation.  
**Ingestion:** Moderately toxic by ingestion.

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

See Section 11 for additional toxicological information.

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If discomfort persists seek medical attention.
<b>Skin contact:</b>	Wash with soap and water.
<b>Eye contact:</b>	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time.
<b>Ingestion:</b>	If conscious, drink plenty of water. Do not induce vomiting. Keep individual calm. Obtain medical attention.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	-8.3°C (17°F) (estimated)
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits-lower %:</b>	Not available
<b>Flammable/Explosive limits-upper %:</b>	Not available
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special fire fighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Unusual fire or explosion hazards:</b>	Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.
<b>Hazardous combustion products:</b>	Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Irritating organic vapors.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Prevent product from entering drains or open waters.
<b>Clean-up methods:</b>	Remove all ignition sources. Ensure adequate ventilation. Soak up with inert absorbent. Store in a closed container until ready for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing 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.
<b>Storage:</b>	Store away from heat, sparks, flames, or other sources of ignition. For safe storage, store at or below 49°C (120°F).
<b>Incompatible products:</b>	Refer to Section 10.

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

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

**See Section 2 for exposure limits.**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Yellow to Amber
Odor:	Acetone
Vapor pressure:	172 mmHg at 20 °C (68 °F)
pH:	Not applicable
Boiling point/range:	Not available
Melting point/range:	Not available
Specific gravity:	0.7953
Vapor density:	Not available
Evaporation rate:	Not available
Solubility in water:	Completely miscible
Partition coefficient (n-octanol/water):	Not available
VOC content:	13.3%; 106 grams/liter (EPA Method 24)

## 10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Irritating organic vapors.
Incompatibility:	Strong oxidizers. Acids.
Conditions to avoid:	See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Acetone 67-64-1	No	No	No
Isopropyl alcohol 67-63-0	No	No	No
Ethanol,2,2' - (4-methylphenyl)imino bis- 3077-12-1	No	No	No
2-Mercaptobenzothiazole 149-30-4	No	No	No

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Acetone 67-64-1	Blood, Central nervous system, Irritant, Reproductive
Isopropyl alcohol 67-63-0	Allergen, Blood, Central nervous system, Irritant, Kidney, Liver, Brain, Spleen
Ethanol,2,2' - (4-methylphenyl)imino bis- 3077-12-1	Allergen
2-Mercaptobenzothiazole 149-30-4	Allergen, Kidney, Some evidence of carcinogenicity

## 12. ECOLOGICAL INFORMATION

Ecological information:	Not available
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### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations.

**EPA hazardous waste number:** D001: Ignitable.

### 14. TRANSPORT INFORMATION

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

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

#### 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:** May Qualify as Consumer Commodity ID8000 (Not more than 500 ml)

#### WaterTransportation (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)  
**Marine pollutant:** None

### 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.

**CERCLA/SARA Section 302 EHS:** None above reporting de minimus.  
**CERCLA/SARA Section 311/312:** Immediate Health Hazard, Delayed Health Hazard, Fire  
**CERCLA/SARA 313:** None above reporting de minimus.

**California Proposition 65:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

#### Canada Regulatory Information

**CEPA DSL/NDL Status:** All components are listed on or are exempt from listing on the 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: 2, 15

**Prepared by:** Regulatory Affairs

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