



**Material Safety Data Sheet**

**SECTION 1: PRODUCT NAME AND COMPANY INFORMATION**

**Product Name:** Loctite 7471 Primer  
**Product Number:** 120050209  
**Issue Date:** May 25, 2011  
**Manufactured By:** Henkel Corporation  
 One Henkel Way  
 Rocky Hill, CT 06067  
 (860) 571-5100

**Supersedes Date:** January 4, 2008  
**Distributed By:** Coburn Technologies  
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 South Windsor, CT 06074  
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**24-Hour Emergency Contact Number (North America):** 800-255-3924  
**24-Hour Emergency Contact Number (International):** 813-248-0585

**SECTION 2: COMPOSITION**

Hazardous components	%	ACGIH TLV	OSHA PEL	OTHER
Acetone 67-64-1	60-100	500 ppm TWA 750 ppm STEL	1000 ppm TWA 2400 mg/m <sup>3</sup> TWA	None
Isobutane 75-28-5	10-30	1000 ppm TWA	None	None
Isopropyl alcohol 67-63-0	5-10	200 ppm TWA 400 ppm STEL	400 ppm TWA 980 mg/m <sup>3</sup> TWA	None
2-Mercaptobenzothiazole 149-30-4	0.1-1	None	None	5 mg/m <sup>3</sup> , skin dermal sensitizer TWA, (WEEL)

**SECTION 3: Hazards Identification**

**EMERGENCY OVERVIEW**

**HMIS:**

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

**HEALTH:** 1\*  
**FLAMMABILITY:** 4  
**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:** Skin, Inhalation, 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

## **SECTION 4: First Aid**

**Inhalation:** Remove to fresh air. If discomfort persists seek medical attention.

**Skin contact:** Immediately flush skin with plenty of water (using soap, if available).

**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. Do not induce vomiting. Keep individual calm. Obtain medical attention.

## **SECTION 5: Fire Fighting Measures:**

**Flash point:** -8°C (17.6°F) (Base only) Tagliabue closed cup (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 fire fighting 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:** Irritating organic vapors. Oxides of carbon. Oxides of nitrogen. Oxides of sulfur.

## SECTION 6: Accidental Release Measures

**Environmental precautions:** Prevent product from entering drains or open waters.

**Clean-up methods:** Remove all ignition sources. Ensure adequate ventilation. Soak up with inert absorbent. Store in a closed container until ready for disposal.

## SECTION 7: Handling and Storage

**Handling:** 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.

**Storage:** Store away from heat, sparks, flames, or other sources of ignition. For safe storage, store at or below 49°C (120°F).

**Incompatible products:** Refer to Section 10.

## SECTION 8: Exposure Controls/Personal Protection

**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).

**Skin protection:** Chemical resistant, impermeable gloves.

**Eye/face protection:** Safety goggles or safety glasses with side shields.

**See Section 2 for exposure limits.**

## SECTION 9: Physical and Chemical Properties

**Physical state:** Aerosol

**Color:** Yellow to Amber

**Odor:** Acetone

**Vapor pressure:** Approximately 172 mmHg @20°C (68°F) (Base only)

**pH:** Not applicable

**Boiling point/range:** Not available

**Melting point/range:** Not available

**Specific gravity:** .7953 Base only

**Vapor density:** Not available

**Evaporation rate:** Not available

**Solubility in water:** Miscible

**Partition coefficient (n-octanol/water):** Not available

**VOC content:** 8.31%; 106 grams/liter

**SECTION 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.

**Conditions to avoid:** See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

**SECTION 11: Toxicological Information**

Hazardous components	<u>Carcinogen Status</u>		
	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Acetone 67-64-1	No	No	No
Isobutane 75-28-5	No	No	No
Isopropyl alcohol 67-63-0	No	No	No
2-Mercaptobenzothiazole 149-30-4	No	No	No

Hazardous components	<u>Literature Referenced Target Organ &amp; Other Health Effects</u>
	<u>Health Effects/Target Organs</u>
Acetone 67-64-1	Blood, Central nervous system, Irritant, Reproductive
Isobutane 75-28-5	Cardiac, Central nervous system, Lung
Isopropyl alcohol 67-63-0	Allergen, Blood, Central nervous system, Irritant, Kidney, Liver, Brain, Spleen
2-Mercaptobenzothiazole 149-30-4	Allergen, Kidney, Some evidence of carcinogenicity

**SECTION 12: Ecological Information:**

**Ecological information:** Not available

**SECTION 13: Disposal Considerations:**

**Information provided is for unused product only.**

**Recommended method of disposal:** Dispose of in accordance with Federal, State and local regulations.

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

**SECTION 14: Transport Information:**

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

**Proper shipping name:** Aerosols, flammable

**Hazard class or division:** 2.1

**Identification number:** UN 1950

**Packing group:** None

**Exceptions:** Consumer Commodity ORM-D (Not more than 1 Liter)

**DOT reportable quantity (lbs):** Acetone (CAS# 67-64-1) is reportable at 5000 pounds (2270 kg).

**International Air Transportation (ICAO/IATA):**

**Proper shipping name:** Aerosols, flammable

**Hazard class or division:** 2.1

**Identification number:** UN 1950

**Packing group:** None

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

**WaterTransportation (IMO/IMDG):**

**Proper shipping name:** Aerosols, flammable

**Hazard class or division:** 2

**Identification number:** UN 1950

**Packing group:** None

**Exceptions:** Limited quantity (Not more than 1 L)

**Marine pollutant:** None

**SECTION 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

**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:** A, B.5, D.2.A, D.2.B

## SECTION 16: Other Information:

**This material safety data sheet contains changes from the previous version in sections: 2, 15**

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