



Revision Number: 010.0

Issue date: 06/23/2023

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** LOCTITE SF 7471  
**Product type/use:** Activator  
**Restriction of Use:** None identified  
**Company address:**  
 Henkel Corporation  
 One Henkel Way  
 Rocky Hill, Connecticut 06067

**IDH number:** 1179078  
**Item number:** 43486  
**Region:** United States  
**Contact information:**  
 Telephone: +1 (860) 571-5100  
 MEDICAL EMERGENCY Phone: Poison Control Center  
 1-877-671-4608 (toll free) or 1-303-592-1711  
 TRANSPORT EMERGENCY Phone: CHEMTREC  
 1-800-424-9300 (toll free) or 1-703-527-3887  
 Internet: www.henkelna.com

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**DANGER:** HIGHLY FLAMMABLE LIQUID AND VAPOUR.  
 MAY CAUSE AN ALLERGIC SKIN REACTION.  
 CAUSES SERIOUS EYE IRRITATION.  
 MAY CAUSE DROWSINESS OR DIZZINESS.

| HAZARD CLASS                                     | HAZARD CATEGORY |
|--------------------------------------------------|-----------------|
| FLAMMABLE LIQUID                                 | 2               |
| EYE IRRITATION                                   | 2A              |
| SKIN SENSITIZATION                               | 1               |
| SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE | 3               |

### PICTOGRAM(S)



### Precautionary Statements

**Prevention:** Keep away from heat, sparks, open flames, hot surfaces - no smoking. Keep container tightly closed. No release into water. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection.

**Response:** If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Wash contaminated clothing before reuse. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

**Disposal:** Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

IDH number: 1179078

Product name: LOCTITE SF 7471

| Hazardous Component(s)  | CAS Number | Percentage* |
|-------------------------|------------|-------------|
| acetone                 | 67-64-1    | 80 - 100    |
| 2-Propanol              | 67-63-0    | 10 - 30     |
| 2-Mercaptobenzothiazole | 149-30-4   | 0.1 - 1     |

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

## 4. FIRST AID MEASURES

|                      |                                                                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>   | Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.                                      |
| <b>Skin contact:</b> | Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. Wash clothing before reuse. Get medical attention. |
| <b>Eye contact:</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.                                                       |
| <b>Ingestion:</b>    | DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention. Never give anything by mouth to an unconscious person.                   |
| <b>Symptoms:</b>     | See Section 11.                                                                                                                                                       |

## 5. FIRE FIGHTING MEASURES

|                                           |                                                                                                                                                                                                                                               |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Extinguishing media:</b>               | Foam, dry chemical or carbon dioxide.                                                                                                                                                                                                         |
| <b>Special firefighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. |
| <b>Unusual fire or explosion hazards:</b> | Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers.                                                                                                                          |
| <b>Hazardous combustion products:</b>     | 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.

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental precautions:</b> | Do not allow product to enter sewer or waterways.                                                                                                                                                                                                                                                                                                                                               |
| <b>Clean-up methods:</b>          | Remove all sources of ignition. Ensure adequate ventilation. Wear appropriate personal protective equipment. Keep unnecessary personnel away. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. |

## 7. HANDLING AND STORAGE

|                  |                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling:</b> | 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. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Wash thoroughly after handling. Refer to Section 8. |
| <b>Storage:</b>  | Not available.                                                                                                                                                                                                                                                                                                                                                                         |

## 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 Component(s)  | ACGIH TLV                   | OSHA PEL                    | AIHA WEEL                                | OTHER |
|-------------------------|-----------------------------|-----------------------------|------------------------------------------|-------|
| acetone                 | 250 ppm TWA<br>500 ppm STEL | 1,000 ppm (2,400 mg/m3) PEL | None                                     | None  |
| 2-Propanol              | 200 ppm TWA<br>400 ppm STEL | 400 ppm (980 mg/m3) PEL     | None                                     | None  |
| 2-Mercaptobenzothiazole | None                        | None                        | (SKIN)<br>5 mg/m3 TWA (Skin sensitizer.) | None  |

|                                |                                                                                                                                                                                                                 |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Engineering controls:</b>   | Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.                                                                                                                   |
| <b>Respiratory protection:</b> | Use NIOSH approved respirator if there is potential to exceed exposure limit(s).                                                                                                                                |
| <b>Eye/face protection:</b>    | Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available. |
| <b>Skin protection:</b>        | Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Neoprene, Butyl-rubber, or nitrile-rubber gloves.                                       |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                 |                                            |
|-------------------------------------------------|--------------------------------------------|
| <b>Physical state:</b>                          | Liquid                                     |
| <b>Color:</b>                                   | Amber to yellowish                         |
| <b>Odor:</b>                                    | Acetone                                    |
| <b>Odor threshold:</b>                          | Not available.                             |
| <b>pH:</b>                                      | 5 - 6                                      |
| <b>Vapor pressure:</b>                          | 172 mm hg (20 °C (68°F))                   |
| <b>Boiling point/range:</b>                     | 56 °C (132.8 °F)no method / method unknown |
| <b>Melting point/ range:</b>                    | Not applicable, Product is a liquid        |
| <b>Specific gravity:</b>                        | 0.7953                                     |
| <b>Vapor density:</b>                           | 2 20 °C                                    |
| <b>Flash point:</b>                             | -8 °C (17.6 °F) ; Estimated                |
| <b>Flammable/Explosive limits - lower:</b>      | 2.6 %                                      |
| <b>Flammable/Explosive limits - upper:</b>      | 12.8 %                                     |
| <b>Autoignition temperature:</b>                | Not applicable                             |
| <b>Flammability:</b>                            | Flammable liquid                           |
| <b>Evaporation rate:</b>                        | Not available.                             |
| <b>Solubility in water:</b>                     | Miscible                                   |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.                             |
| <b>VOC content:</b>                             | 13.3 %; 106 g/l EPA Method 24              |
| <b>Viscosity:</b>                               | Not available.                             |
| <b>Decomposition temperature:</b>               | Not available.                             |

## 10. STABILITY AND REACTIVITY

|                                          |                                                                                             |
|------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Stability:</b>                        | Stable under normal conditions of storage and use.                                          |
| <b>Hazardous reactions:</b>              | None under normal processing.                                                               |
| <b>Hazardous decomposition products:</b> | Oxides of carbon. Oxides of nitrogen. Oxides of sulfur. Irritating organic vapours.         |
| <b>Incompatible materials:</b>           | Acids. Strong oxidizing agents.                                                             |
| <b>Reactivity:</b>                       | Not available.                                                                              |
| <b>Conditions to avoid:</b>              | Heat, flames, sparks and other sources of ignition. Store away from incompatible materials. |

## 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

**Inhalation:** May cause dizziness, incoordination, headache, nausea, and vomiting. Central nervous system effects.  
**Skin contact:** May cause skin irritation. May cause allergic skin reaction. Solvent action can dry and defat the skin, causing the skin to crack, leading to dermatitis.  
**Eye contact:** Causes serious eye irritation.  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed.

| Hazardous Component(s)  | LD50s and LC50s                                                                                                                                                                                                                                                                                | Immediate and Delayed Health Effects               |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| acetone                 | Oral LD50 (Mouse) = 5.2 g/kg<br>Oral LD50 (Mouse) = 3,000 mg/kg<br>Oral LD50 (Rabbit) = 5,340 mg/kg<br>Oral LD50 (Rat) = 5,800 mg/kg<br>Oral LD50 (Rat) = 9,800 mg/kg<br>Dermal LD50 (Rabbit) = 20,000 mg/kg<br>Inhalation LC50 (Rat, 4 h) = 76 mg/l<br>Inhalation LC50 (Rat, 4 h) = 50.1 mg/l | Central nervous system, Irritant                   |
| 2-Propanol              | Oral LD50 (Rat) = 5,045 mg/kg<br>Oral LD50 (Mouse) = 3,600 mg/kg<br>Oral LD50 (Rabbit) = 6,410 mg/kg<br>Oral LD50 (Rat) = 4.7 g/kg<br>Oral LD50 (Mouse) = 4.5 g/kg<br>Oral LD50 (Rabbit) = 8.0 g/kg<br>Oral LD50 (Rabbit) = 5.03 g/kg<br>Dermal LD50 (Rabbit) = 12,800 mg/kg                   | Allergen, Central nervous system, Irritant         |
| 2-Mercaptobenzothiazole | Oral LD50 (Mouse) = 3,148 mg/kg<br>Oral LD50 (Mouse) = 1,558 mg/kg<br>Oral LD50 (Mouse) = 1,490 mg/kg<br>Inhalation LC50 (Rat, 4 h) = > 1,270 mg/l                                                                                                                                             | Allergen, Kidney, Some evidence of carcinogenicity |

| Hazardous Component(s)  | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|-------------------------|----------------|-----------------|------------------------------------------|
| acetone                 | No             | No              | No                                       |
| 2-Propanol              | No             | No              | No                                       |
| 2-Mercaptobenzothiazole | No             | Group 2A        | No                                       |

## 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.

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any packaging.

### 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  
**DOT Hazardous Substance(s):** Acetone

### 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), May Qualify as Consumer Commodity, ID8000

**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 as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.

**TSCA 12 (b) Export Notification:** None above reporting de minimis.

**CERCLA/SARA Section 302 EHS:** None above reporting de minimis.  
**CERCLA/SARA Section 311/312:** Immediate Health, Fire  
**CERCLA/SARA Section 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). 2-Propanol (CAS# 67-63-0). 2-Mercaptobenzothiazole (CAS# 149-30-4).  
**CERCLA Reportable quantity:** acetone (CAS# 67-64-1) 5,000 lbs. (2,270 kg)  
2-Propanol (CAS# 67-63-0) 100 lbs. (45.4 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/NDL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

## 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 2,9,13

**Prepared by:** Product Safety and Regulatory Affairs

**Issue date:** 06/23/2023

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