



Revision Number: 002.3

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Loctite 2in1 Tub and Tile Adhesive **IDH number:** 1935990  
**Product type:** Caulk  
**Restriction of Use:** Sealant  
**Company address:** None identified  
 Henkel Corporation **Region:** United States  
 One Henkel Way **Contact information:**  
 Rocky Hill, Connecticut 06067 Telephone: +1 (800) 624-7767  
 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

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**WARNING:** ABRASION COULD RELEASE RESPIRABLE PARTICLES OF SILICA QUARTZ, A CANCER HAZARD BY INHALATION. NORMAL USE OF THIS PRODUCT CAUSES NO SUCH RELEASE.

COMBUSTIBLE LIQUID.  
 CAUSES SERIOUS EYE IRRITATION.

| HAZARD CLASS     | HAZARD CATEGORY |
|------------------|-----------------|
| FLAMMABLE LIQUID | 4               |
| EYE IRRITATION   | 2A              |

**PICTOGRAM(S)**



**Precautionary Statements**

**Prevention:** Keep away from heat, sparks, open flames, hot surfaces - no smoking. Wash thoroughly after handling. Wear protective gloves, eye protection, and face protection.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. If eye irritation persists: Get medical attention. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

**Storage:** Store in a well-ventilated place. Keep cool.

**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

| Hazardous Component(s)     | CAS Number | Percentage* |
|----------------------------|------------|-------------|
| Ethylene glycol            | 107-21-1   | 1 - 5       |
| Titanium dioxide           | 13463-67-7 | 1 - 5       |
| Acetone                    | 67-64-1    | 1 - 5       |
| n-Butyl acetate            | 123-86-4   | 1 - 5       |
| Quartz (SiO <sub>2</sub> ) | 14808-60-7 | 0.1 - 1     |

\* Exact percentage is a 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 symptoms persist, seek medical advice.  |
| <b>Skin contact:</b>       | Wash affected area immediately with soap and water. If symptoms develop and persist, get medical attention.                                     |
| <b>Eye contact:</b>        | In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.                  |
| <b>Ingestion:</b>          | Rinse out mouth. Do not drink. Never give anything by mouth to an unconscious person. If adverse health effects develop seek medical attention. |
| <b>Symptoms:</b>           | See Section 11.   |
| <b>Notes to physician:</b> | Treat symptomatically and supportively.   |

### 5. FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>Extinguishing media:</b>               | Water spray (fog), foam, dry chemical or carbon dioxide.   |
| <b>Special firefighting procedures:</b>   | Water may be unsuitable as an extinguishing media, but may be helpful in keeping adjacent containers cool.                           |
| <b>Unusual fire or explosion hazards:</b> | This product is an aqueous mixture which will not burn. If evaporated to dryness, the solid residue may pose a slight fire hazard.   |
| <b>Hazardous combustion products:</b>     | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen. |

### 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> | Ventilate area. Do not allow product to enter sewer or waterways.   |
| <b>Clean-up methods:</b>          | Absorb spill with inert material. Shovel material into appropriate container for disposal. Wear appropriate protective equipment and clothing during clean-up. Dispose of according to Federal, State and local governmental regulations. |

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes. Avoid prolonged or repeated skin contact with this material. Use only with adequate ventilation. Wash hands before breaks and immediately after handling the product. Keep out of the reach of children.

**Storage:** Keep from freezing.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 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 |
|----------------------------|---|---|-----------|-------|
| Ethylene glycol            | 100 mg/m3 Ceiling Aerosol.              | None  | None      | None  |
| Titanium dioxide           | 10 mg/m3 TWA                            | 15 mg/m3 PEL Total dust.  | None      | None  |
| Acetone                    | 750 ppm STEL<br>500 ppm TWA             | 1,000 ppm (2,400 mg/m3) PEL   | None      | None  |
| n-Butyl acetate            | 150 ppm TWA<br>200 ppm STEL             | 150 ppm (710 mg/m3) PEL   | None      | None  |
| Quartz (SiO <sub>2</sub> ) | 0.025 mg/m3 TWA<br>Respirable fraction. | 2.4 MPPCF TWA<br>Respirable.<br>0.1 mg/m3 TWA<br>Respirable.<br>0.3 mg/m3 TWA Total dust. | None      | None  |

**Engineering controls:** Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

**Respiratory protection:** If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

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

**Skin protection:** Use impermeable gloves and protective clothing as necessary to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |  |
|---|--|
| <b>Physical state:</b>                          | Paste  |
| <b>Color:</b>                                   | White  |
| <b>Odor:</b>                                    | Acetate  |
| <b>Odor threshold:</b>                          | Not available.   |
| <b>pH:</b>                                      | 6.5 - 7.5  |
| <b>Vapor pressure:</b>                          | 17.5 mbar (20 °C (68°F)) no method   |
| <b>Boiling point/range:</b>                     | > 100 °C (> 212°F)   |
| <b>Melting point/ range:</b>                    | Not available.   |
| <b>Specific gravity:</b>                        | 1.3  |
| <b>Vapor density:</b>                           | Heavier than air, (Air = 1)  |
| <b>Flash point:</b>                             | 174 °F (78.89 °C) Pensky Martens closed cup  |
| <b>Flammable/Explosive limits - lower:</b>      | Not available.   |
| <b>Flammable/Explosive limits - upper:</b>      | Not available.   |
| <b>Autoignition temperature:</b>                | Not available.   |
| <b>Evaporation rate:</b>                        | 0.3 (Butyl acetate = 1)  |
| <b>Solubility in water:</b>                     | Soluble  |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.   |
| <b>VOC content:</b>                             | 1.15 %; 152 g/l (by weight, calculated using CARB method; g/L less water, less exempts calculated using SCAQMD method) |

**Viscosity:** 112,000 - 160,000 cp  
**Decomposition temperature:** Not available.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and use. Stable under normal conditions of storage and use.

**Hazardous reactions:** Will not occur.

**Hazardous decomposition products:** Carbon dioxide. Carbon monoxide. Oxides of nitrogen. Hydrocarbons. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of nitrogen.

**Incompatible materials:** This product may react with strong acids, bases and oxidizing agents.

**Reactivity:** Not available.

**Conditions to avoid:** None known Keep away from open flames, hot surfaces and sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

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

**Potential Health Effects/Symptoms**

**Inhalation:** Inhalation of vapors from uncured sealant may cause respiratory tract irritation. Contains crystalline silica (quartz), which is classified as a possible carcinogen. However, the crystalline silica present in this product is encapsulated in the liquid and will only be liberated if the product is sanded or abraded, and even then what is liberated will not be pure crystalline silica. Appropriate precautions, however, should be taken if the product is sanded or abraded to prevent personnel from breathing the dust.

**Skin contact:** Prolonged or repeated contact with uncured sealant may cause skin irritation.

**Eye contact:** Contact with uncured product may irritate the eyes.

**Ingestion:** Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbances.

| Hazardous Component(s) | LD50s and LC50s   | Immediate and Delayed Health Effects  |
|------------------------|---|---|
| Ethylene glycol        | Oral LD50 (RAT) = 5.89 g/kg<br>Dermal LD50 (RABBIT) = 9,530 mg/kg   | Blood, Bone Marrow, Central nervous system, Developmental, Eyes, Irritant, Kidney, Liver, Metabolic |
| Titanium dioxide       | None  | Irritant, Respiratory, Some evidence of carcinogenicity   |
| Acetone                | 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, 8 h) = 50.1 mg/l<br>Inhalation LC50 (RAT, 4 h) = 76 mg/l | Blood, Central nervous system, Irritant, Reproductive   |
| n-Butyl acetate        | Oral LD50 (RAT) = 14,000 mg/kg<br>Oral LD50 (RAT) = 14,130 mg/kg<br>Inhalation LC50 (, 4 h) = 160 mg/l  | Irritant, Central nervous system  |
| Quartz (SiO2)          | None  | Immune system, Lung, Some evidence of carcinogenicity   |

| Hazardous Component(s) | NTP Carcinogen                | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|------------------------|-------------------------------|-----------------|--|
| Ethylene glycol        | No                            | No              | No                                       |
| Titanium dioxide       | No                            | Group 2B        | No                                       |
| Acetone                | No                            | No              | No                                       |
| n-Butyl acetate        | No                            | No              | No                                       |
| Quartz (SiO2)          | Known To Be Human Carcinogen. | Group 1         | No                                       |

**12. ECOLOGICAL INFORMATION**

**Ecological information:** Not available.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

|  |  |
|--|--|
| <b>Recommended method of disposal:</b> | Dispose of according to Federal, State and local governmental regulations.   |
| <b>Hazardous waste number:</b>         | It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics of the Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24. |

## 14. TRANSPORT INFORMATION

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

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

|                                  |               |
|----------------------------------|---------------|
| <b>Proper shipping name:</b>     | Not regulated |
| <b>Hazard class or division:</b> | None          |
| <b>Identification number:</b>    | None          |
| <b>Packing group:</b>            | None          |

### International Air Transportation (ICAO/IATA)

|                                  |               |
|----------------------------------|---------------|
| <b>Proper shipping name:</b>     | Not regulated |
| <b>Hazard class or division:</b> | None          |
| <b>Identification number:</b>    | None          |
| <b>Packing group:</b>            | None          |

### Water Transportation (IMO/IMDG)

|                                  |               |
|----------------------------------|---------------|
| <b>Proper shipping name:</b>     | Not regulated |
| <b>Hazard class or division:</b> | None          |
| <b>Identification number:</b>    | None          |
| <b>Packing group:</b>            | None          |

## 15. REGULATORY INFORMATION

### United States Regulatory Information

|   |   |
|---|---|
| <b>TSCA 8 (b) Inventory Status:</b>     | All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.   |
| <b>TSCA 12 (b) Export Notification:</b> | None above reporting de minimis   |
| <b>CERCLA/SARA Section 302 EHS:</b>     | None above reporting de minimis   |
| <b>CERCLA/SARA Section 311/312:</b>     | Fire, Immediate Health, Delayed Health  |
| <b>CERCLA/SARA Section 313:</b>         | 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). Ethylene glycol (CAS# 107-21-1). |
| <b>California Proposition 65:</b>       | 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

|                              |   |
|------------------------------|---|
| <b>CEPA DSL/NDSL Status:</b> | 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: New Material Safety Data Sheet format.

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