



Revision Number: 006.0

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## 1. PRODUCT AND COMPANY IDENTIFICATION

|                               |                                                                                                |                     |               |
|-------------------------------|------------------------------------------------------------------------------------------------|---------------------|---------------|
| <b>Product name:</b>          | <b>LOCTITE 5113 THREAD SEALANT</b><br>known as <b>LOCTITE® Thread Sealant</b><br><b>With P</b> | <b>IDH number:</b>  | 1527514       |
| <b>Product type:</b>          | Sealant                                                                                        | <b>Item number:</b> | 1527514       |
| <b>Restriction of Use:</b>    | None identified                                                                                | <b>Region:</b>      | United States |
| <b>Company address:</b>       | <b>Contact information:</b>                                                                    |                     |               |
| Henkel Corporation            | Telephone: +1 (860) 571-5100                                                                   |                     |               |
| One Henkel Way                | MEDICAL EMERGENCY Phone: Poison Control Center                                                 |                     |               |
| Rocky Hill, Connecticut 06067 | 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

**WARNING:** FLAMMABLE LIQUID AND VAPOR.  
CAUSES SERIOUS EYE IRRITATION.  
MAY CAUSE RESPIRATORY IRRITATION.  
MAY CAUSE DROWSINESS OR DIZZINESS.

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

### PICTOGRAM(S)



### Precautionary Statements

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prevention:</b> | 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. Wear protective gloves, eye protection, and face protection.                                                            |
| <b>Response:</b>   | 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 eye irritation persists: Get medical attention. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish. |
| <b>Storage:</b>    | Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.                                                                                                                                                                                                                                                                                                                                                            |
| <b>Disposal:</b>   | 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* |
|-----------------------------------|------------|-------------|
| 2-Propanol                        | 67-63-0    | 30 - 40     |
| Talc                              | 14807-96-6 | 20 - 30     |
| Titanium dioxide                  | 13463-67-7 | 1 - 5       |
| Ethene, tetrafluoro-, homopolymer | 9002-84-0  | 1 - 5       |
| Quartz (SiO <sub>2</sub> )        | 14808-60-7 | 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. Never give anything by mouth to an unconscious person. Get medical attention.                                                                 |
| <b>Symptoms:</b>     | See Section 11.                                                                                                                                                       |

### 5. FIRE FIGHTING MEASURES

|                                           |                                                                                              |
|-------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Extinguishing media:</b>               | Water spray (fog), foam, dry chemical or carbon dioxide. Do not use high volume water jet.   |
| <b>Special firefighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| <b>Unusual fire or explosion hazards:</b> | In case of fire, keep containers cool with water spray.                                      |
| <b>Hazardous combustion products:</b>     | Oxides of carbon. Toxic fluorides. Acrid smoke and fumes.                                    |

### 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. Evacuate and ventilate spill area; dike spill to prevent entry into water system; wear full protective equipment during clean-up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. 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

**Handling:** Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Refer to Section 8.

**Storage:** Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

## 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                                                                                   |
|-----------------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------|
| 2-Propanol                        | 200 ppm TWA<br>400 ppm STEL                         | 400 ppm (980 mg/m <sup>3</sup> ) PEL                                                                                                                                                                                                                              | None      | None                                                                                    |
| Talc                              | 2 mg/m <sup>3</sup> TWA<br>Respirable fraction.     | 0.1 mg/m <sup>3</sup> TWA<br>Respirable.<br>2.4 MPPCF TWA<br>Respirable.<br>20 MPPCF TWA                                                                                                                                                                          | None      | 50 ppm                                                                                  |
| Titanium dioxide                  | 10 mg/m <sup>3</sup> TWA                            | 15 mg/m <sup>3</sup> PEL Total dust.<br>15 MPPCF TWA<br>Respirable fraction.<br>15 mg/m <sup>3</sup> TWA Total dust.<br>50 MPPCF TWA<br>Total dust.<br>5 mg/m <sup>3</sup> TWA<br>Respirable fraction.                                                            | None      | None                                                                                    |
| Ethene, tetrafluoro-, homopolymer | None                                                | None                                                                                                                                                                                                                                                              | None      | 10 mg/m <sup>3</sup> TWA Total dust.<br>5 mg/m <sup>3</sup> TWA<br>Respirable fraction. |
| Quartz (SiO <sub>2</sub> )        | 0.025 mg/m <sup>3</sup> TWA<br>Respirable fraction. | 2.4 MPPCF TWA<br>Respirable.<br>0.1 mg/m <sup>3</sup> TWA<br>Respirable.<br>0.05 mg/m <sup>3</sup> TWA<br>(Respirable dust.)<br>(Respirable dust.)<br>0.025 mg/m <sup>3</sup><br>OSHA ACT<br>(Respirable dust.)<br>0.05 mg/m <sup>3</sup> PEL<br>Respirable dust. | None      | None                                                                                    |

**Engineering controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eyeface protection:** 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.

**Skin protection:** Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                          |                                      |
|------------------------------------------|--------------------------------------|
| Physical state:                          | Paste                                |
| Color:                                   | White                                |
| Odor:                                    | Alcoholic                            |
| Odor threshold:                          | Not available.                       |
| pH:                                      | Not applicable                       |
| Vapor pressure:                          | 33 mm hg (20 °C (68°F))              |
| Boiling point/range:                     | 82 °C (179.6 °F)                     |
| Melting point/ range:                    | Not determined                       |
| Specific gravity:                        | 1.12 at 25 °C (77°F)                 |
| Vapor density:                           | 2.07                                 |
| Flash point:                             | 23 °C (73.4 °F) Tagliabue closed cup |
| Flammable/Explosive limits - lower:      | 2.3 %                                |
| Flammable/Explosive limits - upper:      | 12.7 %                               |
| Autoignition temperature:                | 398.3 °C (748.94 °F) Estimated       |
| Flammability:                            | Not applicable                       |
| Evaporation rate:                        | 7.7 (Ether = 1)                      |
| Solubility in water:                     | Partially soluble                    |
| Partition coefficient (n-octanol/water): | Not determined                       |
| VOC content:                             | 35.98 %; 343.43 g/l                  |
| Viscosity:                               | Not available.                       |
| Decomposition temperature:               | Not available.                       |

## 10. STABILITY AND REACTIVITY

|                                   |                                                                                                                   |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Stability:                        | Stable under normal conditions of storage and use.                                                                |
| Hazardous reactions:              | None under normal processing.                                                                                     |
| Hazardous decomposition products: | Toxic fluorides. Oxides of carbon. Acrid smoke and fumes.                                                         |
| Incompatible materials:           | Oxidizing agents. Acids. Aldehydes. Amines. Isocyanates. Halogens. Iron. Chlorine. Alkalis. Aluminum.             |
| Reactivity:                       | Not available.                                                                                                    |
| Conditions to avoid:              | Heat, flames, sparks and other sources of ignition. Store away from incompatible materials. Avoid dust formation. |

## 11. TOXICOLOGICAL INFORMATION

|                              |                                   |
|------------------------------|-----------------------------------|
| Relevant routes of exposure: | Skin, Inhalation, Eyes, Ingestion |
|------------------------------|-----------------------------------|

### Potential Health Effects/Symptoms

|                      |                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>   | Inhalation of vapors or mists of the product may be irritating to the respiratory system. May cause dizziness, incoordination, headache, nausea, and vomiting. Abrasion of cured material such as by sanding or grinding could release respirable particles of silica quartz, a cancer hazard by inhalation. Normal use of this product causes no such release. |
| <b>Skin contact:</b> | May cause skin irritation.                                                                                                                                                                                                                                                                                                                                      |
| <b>Eye contact:</b>  | Causes serious eye irritation.                                                                                                                                                                                                                                                                                                                                  |
| <b>Ingestion:</b>    | May cause gastrointestinal tract irritation if swallowed.                                                                                                                                                                                                                                                                                                       |

| Hazardous Component(s)            | LD50s and LC50s                                                                                                                                                                                                                                                              | Immediate and Delayed Health Effects                    |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| 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              |
| Talc                              | None                                                                                                                                                                                                                                                                         | Irritant, Lung, Some evidence of carcinogenicity        |
| Titanium dioxide                  | None                                                                                                                                                                                                                                                                         | Irritant, Respiratory, Some evidence of carcinogenicity |
| Ethene, tetrafluoro-, homopolymer | None                                                                                                                                                                                                                                                                         | No Target Organs                                        |
| Quartz (SiO2)                     | None                                                                                                                                                                                                                                                                         | Immune system, Lung, Some evidence of carcinogenicity   |

| Hazardous Component(s)            | NTP Carcinogen                | IARC Carcinogen | OSHA Carcinogen<br>(Specifically Regulated) |
|-----------------------------------|-------------------------------|-----------------|---------------------------------------------|
| 2-Propanol                        | No                            | No              | No                                          |
| Talc                              | No                            | Group 2B        | No                                          |
| Titanium dioxide                  | No                            | Group 2B        | No                                          |
| Ethene, tetrafluoro-, homopolymer | No                            | No              | No                                          |
| Quartz (SiO2)                     | Known To Be Human Carcinogen. | Group 1         | Yes                                         |

## 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

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>     | Resin solution |
| <b>Hazard class or division:</b> | 3              |
| <b>Identification number:</b>    | UN 1866        |
| <b>Packing group:</b>            | III            |

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

Proper shipping name: Resin solution  
Hazard class or division: 3  
Identification number: UN 1866  
Packing group: III  
Exceptions: Consumer Commodity, ID 8000, Class 9, (Not more than 500 ml)

**Water Transportation (IMO/IMDG)**

Proper shipping name: RESIN SOLUTION  
Hazard class or division: 3  
Identification number: UN 1866  
Packing group: III

**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:** Ethene, tetrafluoro-, homopolymer (CAS# 9002-84-0).  
**CERCLA/SARA Section 302 EHS:** None above reporting de minimis.  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health, Fire  
**CERCLA/SARA Section 313:** None above reporting de minimis.  
**CERCLA Reportable quantity:** 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.

**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, 3, 5, 8, 10, 11

**Prepared by:** Cara R. Rivera, Regulatory Affairs Specialist

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