



Revision Number: 003.0

Issue date: 08/20/2014

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** LOCTITE® 2 GASKET SEALANT NON-HARDENING PLIABLE SEALANT  
**Product type:** Sealant  
**Restriction of Use:** None identified  
**Company address:** Henkel Corporation  
 One Henkel Way  
 Rocky Hill, Connecticut 06067

**IDH number:** 235270  
**Item number:** 80964  
**Region:** United States  
**Contact information:**  
 Telephone: (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:** CAUSES SKIN IRRITATION.  
 MAY CAUSE AN ALLERGIC SKIN REACTION.  
 CAUSES SERIOUS EYE IRRITATION.  
 MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.

| HAZARD CLASS              | HAZARD CATEGORY |
|---------------------------|-----------------|
| SKIN IRRITATION           | 2               |
| EYE IRRITATION            | 2A              |
| RESPIRATORY SENSITIZATION | 1               |
| SKIN SENSITIZATION        | 1               |

**PICTOGRAM(S)**



**Precautionary Statements**

**Prevention:** Avoid breathing dust or fumes. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves. In case of inadequate ventilation wear respiratory protection.

**Response:** IF ON SKIN: Wash with plenty of soap and water. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. If experiencing respiratory symptoms: Call a poison center or physician. Take off contaminated clothing.

**Storage:** Not prescribed

**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* |
|----------------------------|-------------|-------------|
| Rheological additive       | Proprietary | 30 - 60     |
| Castor oil, oxidized       | 68187-84-8  | 10 - 30     |
| Rosin                      | 8050-09-7   | 10 - 30     |
| 2-Propanol                 | 67-63-0     | 10 - 30     |
| Titanium dioxide           | 13463-67-7  | 1 - 5       |
| Quartz (SiO <sub>2</sub> ) | 14808-60-7  | 0.1 - 1     |
| Carbon black               | 1333-86-4   | 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 in case of accidental inhalation of vapours or decomposition products. If symptoms develop and persist, get medical attention.   |
| <b>Skin contact:</b> | Wipe off paste with paper towel or cloth. Wash with soap and water. If skin irritation persists, call a physician.                                 |
| <b>Eye contact:</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If adverse health effects develop seek medical attention. |
| <b>Ingestion:</b>    | Do not induce vomiting. In case of adverse health effects seek medical advice.   |
| <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. Prevent inhalation of fumes and gases. |
| <b>Unusual fire or explosion hazards:</b> | None  |
| <b>Hazardous combustion products:</b>     | Carboxylic acids. Aldehydes. Oxides of carbon.  |

### 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>          | Scrape up as much material as possible. Maintain good ventilation for large spills. Place scrap material in a well ventilated area and allow to cure to rubber. |

## 7. HANDLING AND STORAGE

- Handling:** Do not handle contact lenses until all sealant has been removed from hands. Residual sealant may transfer to lenses and cause eye irritation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.
- Storage:** Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

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

## 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 |
|----------------------------|--|---|-----------|-------|
| Rheological additive       | 2 mg/m3 TWA<br>Respirable fraction.  | 15 mg/m3 PEL Total dust.<br>5 mg/m3 PEL Respirable fraction.                        | None      | None  |
| Castor oil, oxidized       | None   | None  | None      | None  |
| Rosin                      | Exposure by all routes should be carefully controlled to levels as low as possible. Included in the regulation but with no data values. See regulation for further details | None  | None      | None  |
| 2-Propanol                 | 200 ppm TWA<br>400 ppm STEL  | 400 ppm (980 mg/m3) PEL   | None      | None  |
| Titanium dioxide           | 10 mg/m3 TWA   | 15 mg/m3 PEL Total dust.  | None      | None  |
| Quartz (SiO <sub>2</sub> ) | 0.025 mg/m3 TWA<br>Respirable fraction.  | 2.4 MPPCF TWA Respirable.<br>0.1 mg/m3 TWA Respirable.<br>0.3 mg/m3 TWA Total dust. | None      | None  |
| Carbon black               | 3 mg/m3 TWA<br>Inhalable fraction.   | 3.5 mg/m3 PEL   | None      | None  |

- Engineering controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
- Respiratory protection:** Use a NIOSH approved supplied air respirator if the potential to exceed established exposure limits exists.
- Eye/face protection:** Safety goggles or safety glasses with side shields. Safety showers and eye wash stations should be available.
- Skin protection:** Disposable rubber or plastic gloves. Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                                   |
|---|-----------------------------------|
| <b>Physical state:</b>                          | Paste                             |
| <b>Color:</b>                                   | Black                             |
| <b>Odor:</b>                                    | Alcoholic                         |
| <b>Odor threshold:</b>                          | Not available.                    |
| <b>pH:</b>                                      | Not available.                    |
| <b>Vapor pressure:</b>                          | 33 mm hg (20 °C (68°F))           |
| <b>Boiling point/range:</b>                     | 180 °F (82.2 °C) None             |
| <b>Melting point/ range:</b>                    | Not available.                    |
| <b>Specific gravity:</b>                        | 1.5 at 25 °C (77°F)               |
| <b>Vapor density:</b>                           | 2.07                              |
| <b>Flash point:</b>                             | Product is a solid. (ASTM D 4359) |
| <b>Flammable/Explosive limits - lower:</b>      | 2 %                               |
| <b>Flammable/Explosive limits - upper:</b>      | 12 %                              |
| <b>Autoignition temperature:</b>                | Not available.                    |
| <b>Evaporation rate:</b>                        | 7.7 (Ether = 1)                   |
| <b>Solubility in water:</b>                     | Partial                           |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.                    |
| <b>VOC content:</b>                             | 14.2 %; 213 g/l EPA Method 24     |
| <b>Viscosity:</b>                               | Not available.                    |
| <b>Decomposition temperature:</b>               | Not available.                    |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Stability:</b>                        | Stable at normal conditions.  |
| <b>Hazardous reactions:</b>              | None under normal processing.   |
| <b>Hazardous decomposition products:</b> | Carboxylic acids. Aldehydes. Oxides of carbon.  |
| <b>Incompatible materials:</b>           | 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

|                                     |                        |
|-------------------------------------|------------------------|
| <b>Relevant routes of exposure:</b> | Skin, Inhalation, Eyes |
|-------------------------------------|------------------------|

### Potential Health Effects/Symptoms

**Inhalation:** May cause irritation to nose and throat. May cause respiratory tract irritation.  
**Skin contact:** Causes skin irritation. May cause allergic skin reaction.  
**Eye contact:** Causes serious eye irritation.  
**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

| Hazardous Component(s)     | LD50s and LC50s   | Immediate and Delayed Health Effects  |
|----------------------------|---|---|
| Rheological additive       | Oral LD50 (RAT) = > 5,000 mg/kg<br>Dermal LD50 (RAT) = > 5,000 mg/kg  | Nuisance dust   |
| Castor oil, oxidized       | None  | No Records  |
| Rosin                      | None  | Allergen, Irritant, Respiratory   |
| 2-Propanol                 | Oral LD50 (RAT) = 5,045 mg/kg<br>Oral LD50 (RABBIT) = 6,410 mg/kg<br>Oral LD50 (RAT) = 4.7 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, Blood, Brain, Central nervous system, Irritant, Kidney, Liver, Spleen |
| Titanium dioxide           | None  | Irritant, Respiratory, Some evidence of carcinogenicity                         |
| Quartz (SiO <sub>2</sub> ) | None  | Immune system, Lung, Some evidence of carcinogenicity                           |
| Carbon black               | Oral LD50 (RAT) = > 8,000 mg/kg   | Respiratory, Some evidence of carcinogenicity                                   |

| Hazardous Component(s)     | NTP Carcinogen                | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|----------------------------|-------------------------------|-----------------|--|
| Rheological additive       | No                            | No              | No                                       |
| Castor oil, oxidized       | No                            | No              | No                                       |
| Rosin                      | No                            | No              | No                                       |
| 2-Propanol                 | No                            | No              | No                                       |
| Titanium dioxide           | No                            | Group 2B        | No                                       |
| Quartz (SiO <sub>2</sub> ) | Known To Be Human Carcinogen. | Group 1         | No                                       |
| Carbon black               | No                            | Group 2B        | 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.

**Hazardous waste number:** Not a RCRA hazardous waste.

## 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)

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

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

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

|                                   |
|-----------------------------------|
| <b>15. REGULATORY INFORMATION</b> |
|-----------------------------------|

**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:** Blown castor oil (CAS# 68187-84-8).  
**CERCLA/SARA Section 302 EHS:** None above reporting de minimis  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health  
**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/NDSL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

**This safety data sheet contains changes from the previous version in sections:** New Safety Data Sheet format.

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**Issue date:** 08/20/2014

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