



Revision Number: 008.2

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**1. PRODUCT AND COMPANY IDENTIFICATION**

|                              |   |                     |        |
|------------------------------|---|---------------------|--------|
| <b>Product name:</b>         | <b>Loctite(R) Ready Gasket Gasket Maker</b> | <b>IDH number:</b>  | 494150 |
| <b>Product use:</b>          | Silicone rubber sealant                     | <b>Item number:</b> | 37512  |
|                              |   | <b>Region:</b>      | Canada |
| <b>Company address:</b>      | <b>Contact information:</b>                 |                     |        |
| Henkel Canada Corporation    | Telephone: 905.814.6511                     |                     |        |
| 2225 Meadowpine Boulevard    | Emergency telephone: 905.814.6511           |                     |        |
| Mississauga, Ontario L5N 7P2 | Internet: www.henkelna.com                  |                     |        |

**2. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

|                        |       |                            |              |
|------------------------|-------|----------------------------|--------------|
| <b>Physical state:</b> | Paste | <b>WHMIS hazard class:</b> | D.2.A, D.2.B |
| <b>Color:</b>          | Black |                            |              |
| <b>Odor:</b>           | Mild  |                            |              |

**WARNING:** PROLONGED OR REPEATED CONTACT WITH UNCURED SEALANT MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. REPEATED OR PROLONGED CONTACT MAY CAUSE ALLERGIC SKIN REACTION.

**Relevant routes of exposure:** Skin, Inhalation, Eyes**Potential Health Effects**

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Inhalation of vapors from uncured sealant may cause respiratory tract irritation. When heated to temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible limit. |
| <b>Skin contact:</b> | Prolonged or repeated contact with uncured sealant may cause skin irritation. May cause allergic skin reaction.   |
| <b>Eye contact:</b>  | Vapors may irritate eyes. Contact with eyes will cause irritation.  |
| <b>Ingestion:</b>    | Not expected under normal conditions of use. May be harmful if swallowed.   |

**Existing conditions aggravated by exposure:** Skin disorders.**See Section 11 for additional toxicological information.**

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous components | CAS NUMBER  | %       |
|----------------------|-------------|---------|
| Calcium carbonate    | 471-34-1    | 30 - 60 |
| Silicone Resin       | Proprietary | 30 - 60 |
| Silicone Resin       | Proprietary | 10 - 30 |
| Oximino silane       | Proprietary | 1 - 5   |
| Organic Acid         | Proprietary | 1 - 5   |
| Filler               | Proprietary | 1 - 5   |
| Butanone oxime       | 96-29-7     | 1 - 5   |
| Carbon black         | 1333-86-4   | 0.1 - 1 |

Exposure to moisture during cure will release 0.1 - 0.9% methanol. Methyl ethyl ketoxime (MEKO) is formed during cure. This product will release up to 5% MEKO.

### 4. FIRST AID MEASURES

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Move to fresh air. If symptoms persist, seek medical advice.  |
| <b>Skin contact:</b> | Wipe off paste with paper towel or cloth. Wash with soap and water.   |
| <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. Keep individual calm. Get medical attention.  |

### 5. FIRE FIGHTING MEASURES

|  |  |
|--|--|
| <b>Flash point:</b>                        | > 93 °C (> 199.4 °F) Tagliabue closed cup          |
| <b>Autoignition temperature:</b>           | Not available                                      |
| <b>Flammable/Explosive limits - lower:</b> | Not applicable                                     |
| <b>Flammable/Explosive limits - upper:</b> | Not applicable                                     |
| <b>Extinguishing media:</b>                | Carbon dioxide. Foam. Dry chemical.                |
| <b>Special firefighting procedures:</b>    | Wear self contained breathing apparatus.           |
| <b>Unusual fire or explosion hazards:</b>  | None   |
| <b>Hazardous combustion products:</b>      | Oxides of carbon. Oxides of silicon. Formaldehyde. |
| <b>Sensitivity to Mechanical Impact:</b>   | Not available                                      |
| <b>Sensitivity to static discharge:</b>    | Not available                                      |

### 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. Store in a partly filled, closed container until disposal. |

### 7. HANDLING AND STORAGE

|                  |  |
|------------------|--|
| <b>Handling:</b> | Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not wear contact lenses. |
|------------------|--|

**Storage:**

Store in a dry area below 90° F. Keep container closed.

For information on product shelf life contact Henkel Canada Customer Service at (905) 814-6511.

**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 components | ACGIH TLV                   | OSHA PEL   | AIHA WEEL                                     | OTHER |
|----------------------|-----------------------------|--|---|-------|
| Calcium carbonate    | 10 mg/m3 TWA<br>Total dust. | 5 mg/m3 TWA<br>Respirable fraction.<br>15 mg/m3 TWA<br>Total dust. | None  | None  |
| Silicone Resin       | None                        | None   | None  | None  |
| Silicone Resin       | None                        | None   | None  | None  |
| Oximino silane       | None                        | None   | None  | None  |
| Organic Acid         | 10 mg/m3 TWA                | None   | None  | None  |
| Filler               | None                        | None   | None  | None  |
| Butanone oxime       | None                        | None   | 10 ppm (36<br>mg/m3) TWA (Skin<br>sensitizer) | None  |
| Carbon black         | 3.5 mg/m3 TWA               | 3.5 mg/m3 TWA  | None  | None  |

**Engineering controls:**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:**

Use a dust mask for particulate concentrations exceeding the Occupational Exposure Limit. Use an organic vapor respirator for concentrations exceeding the Occupational Exposure Limit.

**Eye/face protection:**

Safety goggles or safety glasses with side shields.

**Skin protection:**

Permeation resistant gloves (butyl rubber, nitrile rubber, polyvinyl alcohol).

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|  |   |
|--|---|
| Physical state:                          | Paste                                     |
| Color:                                   | Black                                     |
| Odor:                                    | Mild                                      |
| Odor threshold:                          | Not available                             |
| pH:                                      | 8   |
| Vapor pressure:                          | < 5 mm hg (20 °C (68°F))                  |
| Boiling point/range:                     | Not applicable                            |
| Melting point/ range:                    | Not available                             |
| Specific gravity:                        | 1.31 at 20 °C (68°F)                      |
| Vapor density:                           | Heavier than air.                         |
| Flash point:                             | > 93 °C (> 199.4 °F) Tagliabue closed cup |
| Flammable/Explosive limits - lower:      | Not applicable                            |
| Flammable/Explosive limits - upper:      | Not applicable                            |
| Autoignition temperature:                | Not available                             |
| Evaporation rate:                        | Not available                             |
| Solubility in water:                     | Polymerises in presence of water.         |
| Partition coefficient (n-octanol/water): | Not available                             |
| VOC content:                             | 3.31 %; 44.47 g/l                         |

## 10. STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>Stability:</b>                        | Stable   |
| <b>Hazardous reactions:</b>              | Will not occur.  |
| <b>Hazardous decomposition products:</b> | Methyl ethyl ketoxime formed during cure. Oxides of carbon. Oxides of silicon. Formaldehyde. |
| <b>Incompatible materials:</b>           | Polymerizes on contact with water.   |
| <b>Conditions to avoid:</b>              | Moisture.  |

## 11. TOXICOLOGICAL INFORMATION

|  |               |
|--|---------------|
| <b>Toxicologically synergistic products:</b> | Not available |
|--|---------------|

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen<br>(Specifically<br>Regulated) | ACGIH Carcinogen |
|----------------------|----------------|-----------------|--|------------------|
| Calcium carbonate    | No             | No              | No   | No               |
| Silicone Resin       | No             | No              | No   | No               |
| Silicone Resin       | No             | No              | No   | No               |
| Oximino silane       | No             | No              | No   | No               |
| Organic Acid         | No             | No              | No   | Group A4         |
| Filler               | No             | No              | No   | No               |
| Butanone oxime       | No             | No              | No   | No               |
| Carbon black         | No             | Group 2B        | No   | Group A4         |

| Hazardous components | LD50s and LC50s               | Health Effects/Target Organs  |
|----------------------|-------------------------------|---|
| Calcium carbonate    | Oral LD50 (RAT) = 6,450 mg/kg | Nuisance dust   |
| Silicone Resin       | None                          | No Target Organs  |
| Silicone Resin       | None                          | Irritant  |
| Oximino silane       | None                          | Irritant, Allergen  |
| Organic Acid         | Oral LD50 (RAT) = 4,600 mg/kg | Irritant  |
| Filler               | None                          | No Target Organs  |
| Butanone oxime       | None                          | Allergen, Blood, Central nervous system, Eyes, Irritant, Some evidence of carcinogenicity |
| Carbon black         | None                          | Respiratory, Some evidence of carcinogenicity   |

## 12. ECOLOGICAL INFORMATION

### Ecological information:

No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, ground water, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Cured rubber can be incinerated or landfilled following EPA and local regulations.

### 14. TRANSPORT INFORMATION

#### Canada Transportation of Dangerous Goods - Ground

|                           |               |
|---------------------------|---------------|
| 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          |
| Exceptions:               | None          |

### 15. REGULATORY INFORMATION

#### Canada Regulatory Information

**CEPA DSL/NDL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

#### 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.

### 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New information added in Section(s): 8

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

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