



Revision Number: 004.0

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1. PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|------------------------------|---|---------------------|--------|
| Product name: | LOCTITE MR GS2 GASKET SEALANT known as LOCTITE® GASKET SEALANT 2 | IDH number: | 495572 |
| Product type: | Sealant | Item number: | 37544 |
| Restriction of Use: | None identified | Region: | Canada |
| Company address: | Contact information: | | |
| Henkel Canada Corporation | Telephone: +1 (905) 814-6511 | | |
| Meadowpine Boulevard 2515 | MEDICAL EMERGENCY Phone: Poison Control Center | | |
| Mississauga, Ontario L5N 6C3 | 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

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|--------------------|---|
| Prevention: | Avoid breathing dust or fumes. Wash affected area thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection. In case of inadequate ventilation wear respiratory protection. |
| Response: | IF ON SKIN: Wash with plenty of 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 do. 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. |

IDH number: 495572

Product name: LOCTITE MR GS2 GASKET SEALANT known as LOCTITE® GASKET SEALANT 2

Classification complies with Canadian Hazardous Products Regulations (WHMIS 2015) and is consistent with the provision 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 | Weight %* |
|----------------------------|------------|-----------|
| Kaolin | 1332-58-7 | 50 - 60 |
| Castor oil, oxidized | 68187-84-8 | 10 - 20 |
| Rosin | 8050-09-7 | 10 - 20 |
| Methyl acetate | 79-20-9 | 10 - 20 |
| Titanium dioxide | 13463-67-7 | 1 - 5 |
| Quartz (SiO ₂) | 14808-60-7 | 0.1 - 1 |
| Carbon black | 1333-86-4 | 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

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

5. FIRE FIGHTING MEASURES

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| Extinguishing media: | Water spray (fog), foam, dry chemical or carbon dioxide. |
| Special firefighting procedures: | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. |
| Unusual fire or explosion hazards: | Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers. In case of fire, keep containers cool with water spray. |
| Hazardous combustion products: | Aldehydes. Oxides of carbon. Carboxylic acids. Irritating vapours. |

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

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| Environmental precautions: | Do not allow product to enter sewer or waterways. |
|-----------------------------------|---|

Clean-up methods:

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 spilled material and place in a closed container for 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.

Shelf Life Statement: 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 |
|----------------------------|---|---|-----------|-------|
| Kaolin | 2 mg/m3 TWA Respirable fraction. | 5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. 15 MPPCF TWA Respirable fraction. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. | 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 (Respiratory sensitization) (Dermal sensitization) | None | None | None |
| Methyl acetate | 200 ppm TWA 250 ppm STEL | 200 ppm (610 mg/m3) PEL | None | None |
| Titanium dioxide | 10 mg/m3 TWA | 15 mg/m3 PEL Total dust. 15 MPPCF TWA Respirable fraction. 15 mg/m3 TWA Total dust. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. | None | None |
| Quartz (SiO ₂) | 0.025 mg/m3 TWA Respirable fraction. | 2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.05 mg/m3 PEL | None | None |
| Carbon black | 3 mg/m3 TWA 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. 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. Butyl rubber gloves. Neoprene gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-----------------------------------|
| Physical state: | Paste |
| Color: | Black |
| Odor: | Ester-like |
| Odor threshold: | Not available. |
| pH: | Not available. |
| Vapor pressure: | Not available. |
| Boiling point/range: | Not available. |
| Melting point/ range: | Not available. |
| Specific gravity: | 1.55 at 25 °C (77°F) |
| Vapor density: | Not available. |
| Flash point: | Product is a solid. (ASTM D 4359) |
| Flammable/Explosive limits - lower: | Not determined |
| Flammable/Explosive limits - upper: | Not determined |
| Autoignition temperature: | Not available. |
| Flammability: | Not applicable |
| Evaporation rate: | Not available. |
| Solubility in water: | Partially soluble |
| Partition coefficient (n-octanol/water): | Not available. |
| VOC content: | 0.3 %; 4.65 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: | Oxides of carbon. Aldehydes. Carboxylic acids. Irritating vapours. |
| Incompatible materials: | Strong oxidizing agents. Amines. Ammonia. Strong acids. Sulfuric acid. Nitric acid. |
| Reactivity: | Not available. |
| Conditions to avoid: | Heat, flames, sparks and other sources of ignition. Store away from incompatible materials. Elevated temperatures. |

11. TOXICOLOGICAL INFORMATION

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

Potential Health Effects/Symptoms

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|----------------------|---|
| Inhalation: | May cause allergic respiratory reaction. These symptoms, which can include chest tightness, wheezing, cough, shortness of breath or asthma attack, could be immediate or delayed (up to several hours after exposure). 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. May irritate the nose and respiratory system. |
| Skin contact: | Causes skin irritation. May cause allergic skin reaction. |
| Eye contact: | Causes serious eye irritation. |
| Ingestion: | May cause irritation to the gastrointestinal tract, mouth and mucous membranes. |

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|----------------------------|--|---|
| Kaolin | Oral LD50 (Rat) = > 5,000 mg/kg Dermal LD50 (Rat) = > 5,000 mg/kg | Nuisance dust |
| Castor oil, oxidized | None | No Records |
| Rosin | None | Allergen, Irritant, Respiratory |
| Methyl acetate | Oral LD50 (Rabbit) = 3.7 g/kg | Blood, Central nervous system, Eyes, Irritant |
| Titanium dioxide | None | Irritant, Respiratory, Some evidence of carcinogenicity |
| Quartz (SiO ₂) | 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) |
|----------------------------|-------------------------------|-----------------|---|
| Kaolin | No | No | No |
| Castor oil, oxidized | No | No | No |
| Rosin | No | No | No |
| Methyl acetate | No | No | No |
| Titanium dioxide | No | Group 2B | No |
| Quartz (SiO ₂) | 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.

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.

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 |

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

Prepared by: Catherine Bimler, Regulatory Affairs Specialist

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