



Revision Number: 001.0

Issue date: 09/01/2020

1. PRODUCT AND COMPANY IDENTIFICATION

| | | | |
|------------------------------|--|---------------------|--------|
| Product name: | LOCTITE DRI 517 known as LOCTITE 517 | IDH number: | 231502 |
| Product type/use: | Adhesive | Item number: | 25670 |
| 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

NOT CLASSIFIED. READ ENTIRE SAFETY DATA SHEET.

| HAZARD CLASS | HAZARD CATEGORY |
|--------------|-----------------|
| None | None |

PICTOGRAM(S)

None

Precautionary Statements

| | |
|--------------------|----------------|
| Prevention: | Not prescribed |
| Response: | Not prescribed |
| Storage: | Not prescribed |
| Disposal: | Not prescribed |

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 %* |
|-----------------------------------|------------|-----------|
| Mica | 12001-26-2 | 5 - 10 |
| Ethene, homopolymer | 9002-88-4 | 5 - 10 |
| Ethene, tetrafluoro-, homopolymer | 9002-84-0 | 1 - 5 |
| Diiron trioxide | 1309-37-1 | 1 - 5 |
| Titanium dioxide | 13463-67-7 | 1 - 5 |
| Quartz (SiO2) | 14808-60-7 | 0.1 - 1 |
| Sodium nitrite | 7632-00-0 | 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 symptoms develop and persist, get medical attention. |
| Skin contact: | Wash with soap and water. If symptoms develop and persist, get medical attention. |
| Eye contact: | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms develop and persist, get medical attention. |
| Ingestion: | DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention. |
| Symptoms: | See Section 11. |

5. FIRE FIGHTING MEASURES

| | |
|---|--|
| 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. In case of fire, keep containers cool with water spray. |
| Unusual fire or explosion hazards: | Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. |
| Hazardous combustion products: | Oxides of carbon. Acrid smoke and fumes. Aldehydes. Organic acids. |

6. ACCIDENTAL RELEASE MEASURES

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

| | |
|-----------------------------------|---|
| Environmental precautions: | Do not allow product to enter sewer or waterways. |
| Clean-up methods: | Remove all sources of ignition. 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

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|------------------|---|
| Handling: | Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed. 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 |
|-----------------------------------|---|---|-----------|--|
| Mica | 3 mg/m3 TWA Respirable fraction. | 20 MPPCF TWA | None | None |
| Ethene, homopolymer | 10 mg/m3 TWA Inhalable particles. 3 mg/m3 TWA Respirable particles. | 15 MPPCF TWA Respirable fraction. 15 mg/m3 TWA Total dust. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. | None | None |
| Ethene, tetrafluoro-, homopolymer | None | None | None | 10 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction. |
| Diiron trioxide | 5 mg/m3 TWA Respirable fraction. | 10 mg/m3 PEL Fume. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction. | 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 (SiO2) | 0.025 mg/m3 TWA Respirable fraction. | 0.05 mg/m3 TWA (Respirable dust.) (Respirable dust.) 0.025 mg/m3 OSHA_ACT (Respirable dust.) 0.05 mg/m3 PEL Respirable dust. 2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. | None | None |
| Sodium nitrite | None | None | None | 2 mg/m3 TWA Respirable fraction. |

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).

Eye/face protection:

Safety goggles or safety glasses with side shields.

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: | Liquid |
| Color: | Orange |
| Odor: | Slight |
| Odor threshold: | Not available. |
| pH: | 9.4 |
| Vapor pressure: | Not determined |
| Boiling point/range: | 100 °C (212°F)calculated |
| Melting point/ range: | Not available. |
| Specific gravity: | 1.15 |
| Vapor density: | Not available. |
| Flash point: | > 93 °C (> 199.4 °F) Tagliabue |
| Flammable/Explosive limits - lower: | Not available. |
| Flammable/Explosive limits - upper: | Not available. |
| Autoignition temperature: | Not available. |
| Flammability: | Not applicable |
| Evaporation rate: | Not available. |
| Solubility in water: | Disperses in water as a suspension |
| Partition coefficient (n-octanol/water): | Not available. |
| VOC content: | 3.3 % |
| Viscosity: | 4,250 cp |
| Decomposition temperature: | Not available. |

10. STABILITY AND REACTIVITY

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|--|--|
| Stability: | Stable under normal conditions of storage and use. |
| Hazardous reactions: | None under normal processing. Polymerization may occur at elevated temperature or in the presence of incompatible materials. |
| Hazardous decomposition products: | Oxides of carbon. Acrid smoke and fumes. Aldehydes. Organic acids. |
| Incompatible materials: | Oxidizing agents. |
| Reactivity: | Not available. |
| Conditions to avoid: | Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials. |

11. TOXICOLOGICAL INFORMATION

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

Potential Health Effects/Symptoms

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system. 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.

Skin contact: May cause skin irritation.

Eye contact: May cause eye irritation.

Ingestion: May cause gastrointestinal tract irritation if swallowed.

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|-----------------------------------|--|--|
| Mica | None | Lung |
| Ethene, homopolymer | None | No Target Organs |
| Ethene, tetrafluoro-, homopolymer | None | No Target Organs |
| Diiron trioxide | None | Allergen, Cardiac, Central nervous system, Irritant, Kidney, Liver, Lung |
| Titanium dioxide | Inhalation LC50 (Rat, 4 h) = > 2.28 mg/l Inhalation LC50 (Rat, 4 h) = > 6.82 mg/l Inhalation LC50 (Rat, 4 h) = > 3.56 mg/l | Irritant, Respiratory, Some evidence of carcinogenicity |
| Quartz (SiO ₂) | None | Immune system, Lung, Some evidence of carcinogenicity |
| Sodium nitrite | Oral LD50 (Rat) = 85 mg/kg Oral LD50 (Mouse) = 175 mg/kg Oral LD50 (Rabbit) = 186 mg/kg | Blood, Central nervous system, Mutagen, Vascular |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|-----------------------------------|-------------------------------|-----------------|--|
| Mica | No | No | No |
| Ethene, homopolymer | No | No | No |
| Ethene, tetrafluoro-, homopolymer | No | No | No |
| Diiron trioxide | No | No | No |
| Titanium dioxide | No | Group 2B | No |
| Quartz (SiO ₂) | Known To Be Human Carcinogen. | Group 1 | Yes |
| Sodium nitrite | No | Group 2A | 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/NDSL Status: Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: First issue.

Prepared by: Product Safety and Regulatory Affairs

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