



Revision Number: 008.0

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**1. IDENTIFICATION**

<b>Product name:</b>	<b>LOCTITE MR 5438 PLASTIC PIPE SEALANT known as LOCTITE® NO MORE LEAKS™ White</b>	<b>IDH number:</b>	1537780
<b>Product type/ Recommended use:</b>	Sealant	<b>Item number:</b>	1537780
<b>Restriction of Use:</b>	None identified	<b>Region:</b>	Canada
<b>Company address:</b>	Henkel Canada Corporation Meadowpine Boulevard 2515 Mississauga, Ontario L5N 6C3	<b>Contact information:</b>	Telephone: +1 (905) 814-6511 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 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**

**WARNING:** H226 - FLAMMABLE LIQUID AND VAPOUR.  
H315 - CAUSES SKIN IRRITATION.  
H319 - CAUSES SERIOUS EYE IRRITATION.  
H335 - MAY CAUSE RESPIRATORY IRRITATION.

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

**PICTOGRAM(S)**



**Precautionary Statements**

**Prevention:**

- P210 - Keep away from heat, sparks, open flames, hot surfaces - no smoking.
- P233 - Keep container tightly closed.
- No release into water.
- P241 - Use explosion-proof equipment.
- P242 - Use non-sparking tools.
- P243 - Take action to prevent static discharges.
- P261 - Avoid breathing mist/vapours.
- P264 - Wash affected area thoroughly after handling.

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**Response:**

P271 - Use only outdoors or in a well-ventilated area.  
 P280 - Wear protective gloves, clothing, eye and face protection.  
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing.  
 P304+P340+P312 - 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.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P332+P313 - If skin irritation occurs: Get medical attention.  
 P337+P313 - If eye irritation persists: Get medical attention.  
 P362+P364 - Take off contaminated clothing and wash it before reuse.  
 P370+P378 - In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.  
**Storage:**  
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
 P403+P235 - Store in a well-ventilated place. Keep cool.  
**Disposal:**  
 P405 - Store locked up.  
 P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

**Other hazards** Not available.

Classification complies with Canadian Hazardous Products Regulations 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 %*
Talc	14807-96-6	30 - 60
Rosin, fumaric acid, pentaerythritol polymer	65997-11-7	10 - 30
2-Propanol	67-63-0	10 - 30
Oleic acid 5.5EO	9004-96-0	10 - 30
Titanium dioxide < 1% particles with diameter ≤ 10 µm	13463-67-7	1 - 5
Dolomite	16389-88-1	1 - 5
Quartz (SiO <sub>2</sub> ), <1% respirable	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.

#### Non hazardous components

Actual concentration or concentration range is withheld as a trade secret

### 4. FIRST AID MEASURES

#### First Aid Measures by likely routes of exposure

**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. Get medical attention. Wash clothing before reuse.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

**Ingestion:** Never give anything by mouth to an unconscious person. DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention.

**Most important symptoms and effects (acute and delayed):** The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.

**Indication of any immediate medical attention / special treatment needed:** Not available.

## 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Water spray (fog), foam, dry chemical or carbon dioxide.

**Improper extinguishing agents:** Not available.

**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:** None

**Hazardous combustion products:** Oxides of carbon. Toxic and irritating vapors.

## 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. 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. 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.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 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
Talc	2 mg/m3 TWA Respirable fraction.	0.1 mg/m3 TWA Respirable 20 MPPCF TWA 2.4 MPPCF TWA Respirable	None	50 ppm
2-Propanol	200 ppm TWA 400 ppm STEL	400 ppm (980 mg/m3) PEL	None	None
Titanium dioxide < 1% particles with diameter ≤ 10 μm	0.2 mg/m3 TWA Respirable nanoscale particles 2.5 mg/m3 TWA Respirable finescale particles	15 mg/m3 PEL Total dust. 5 mg/m3 TWA Respirable fraction. 50 MPPCF TWA Total dust. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None
Dolomite	3 mg/m3 TWA Respirable particles. 10 mg/m3 TWA Inhalable particles.	50 MPPCF TWA Total dust. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction. 5 mg/m3 TWA Respirable fraction. 5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust.	None	None
Quartz (SiO2), <1% respirable	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

**Engineering controls:**

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

**Respiratory protection:**

Use a NIOSH approved air-purifying 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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state:**

Liquid, Paste

**Color:**

White

**Odor:**

Alcoholic

**Odor threshold:**

Not available.

**pH:**

Not applicable

**Vapor pressure:**

Not available.

**Boiling point/range:**

Not available.

<b>Melting point/ range:</b>	Not available.
<b>Density/Relative density:</b>	1.37
<b>Relative vapor density:</b>	2.07
<b>Flash point:</b>	36 °C (96.8 °F)
<b>Flammable/Explosive limits - lower:</b>	2.3 %
<b>Flammable/Explosive limits - upper:</b>	12.7 %
<b>Autoignition temperature:</b>	398.3 °C (748.94 °F) Estimated
<b>Flammability:</b>	Not applicable
<b>Evaporation rate:</b>	7.7 (Ether = 1)
<b>Solubility:</b>	Partially soluble Water
<b>Partition coefficient n-octanol/water (logarithmic value):</b>	Not determined
<b>VOC content:</b>	15.2 % EPA Method 24
<b>Dynamic viscosity:</b>	Not available.
<b>Kinematic viscosity:</b>	Not available.
<b>Particle characteristics:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of storage and use.
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Irritating organic fragments.
<b>Incompatible materials:</b>	Oxidizing agents.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

**Likely routes of exposure:** Skin, Inhalation, Eyes, Ingestion

**Potential Health Effects/Symptoms**

**Inhalation:** 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. Inhalation of vapors or mists of the product may be irritating to the respiratory system. May cause respiratory tract irritation.

**Skin contact:** Causes skin irritation.

**Eye contact:** Causes serious eye irritation.

**Ingestion:** Not expected under normal conditions of use. May cause gastrointestinal tract irritation if swallowed.

Hazardous Component(s)	LD50s and LC50s
Talc	None
Rosin, fumaric acid, pentaerythritol polymer	None
2-Propanol	Oral LD50 (Rat) = 5,045 mg/kg Oral LD50 (Mouse) = 3,600 mg/kg Oral LD50 (Rabbit) = 6,410 mg/kg Oral LD50 (Rat) = 4.7 g/kg Oral LD50 (Mouse) = 4.5 g/kg Oral LD50 (Rabbit) = 8.0 g/kg Oral LD50 (Rabbit) = 5.03 g/kg Dermal LD50 (Rabbit) = 12,800 mg/kg
Oleic acid 5.5EO	None
Titanium dioxide < 1% particles with diameter ≤ 10 µm	None
Dolomite	None
Quartz (SiO <sub>2</sub> ), <1% respirable	None

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
Talc	Irritant		Lung Some evidence of carcinogenicity
Rosin, fumaric acid, pentaerythritol polymer			
2-Propanol	Irritant	Allergen	Central nervous system
Oleic acid 5.5EO	Irritant		
Titanium dioxide < 1% particles with diameter ≤ 10 µm			
Dolomite	Irritant		Immune system Kidney Skin Lung
Quartz (SiO <sub>2</sub> ), <1% respirable			Immune system Lung Some evidence of carcinogenicity

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Talc	No	Group 2A	No
Rosin, fumaric acid, pentaerythritol polymer	No	No	No
2-Propanol	No	Group 1	No
Oleic acid 5.5EO	No	No	No
Titanium dioxide < 1% particles with diameter ≤ 10 µm	No	Group 2B	No
Dolomite	No	No	No
Quartz (SiO <sub>2</sub> ), <1% respirable	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.

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any packaging.

### Canada Transportation of Dangerous Goods - Ground

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

### Canada Regulatory Information

CEPA DSL/NDSL 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 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: 2,3, 8, 11

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