



Revision Number: 001.2

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Loctite (R) Urethane Sealant Grey  
**Product type:** Sealant  
**Company address:** Henkel Corporation  
 1001 Trout Brook Crossing  
 Rocky Hill, Connecticut 06067  
**IDH number:** 223407  
**Item number:** 39916  
**Region:** United States  
**Contact information:**  
 Telephone: 860.571.5100  
 Emergency telephone: 860.571.5100  
 Internet: www.henkelna.com

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

<b>Physical state:</b>	Paste	<b>HEALTH:</b>	2
<b>Color:</b>	Gray	<b>FLAMMABILITY:</b>	1
<b>Odor:</b>	Solvent	<b>PHYSICAL HAZARD:</b>	0
		<b>Personal Protection:</b>	See MSDS Section 8

**WARNING:** MAY CAUSE ALLERGIC SKIN REACTION.  
 CAUSES EYE IRRITATION.  
 MAY BE HARMFUL IF INHALED.

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

**Potential Health Effects**

**Inhalation:** May be harmful if inhaled. May cause irritation to nose and throat.  
**Skin contact:** Repeated or prolonged skin contact may result in allergic sensitization.  
**Eye contact:** Moderate eye irritation.  
**Ingestion:** May cause irritation to the gastrointestinal tract, mouth and mucous membranes.

**Existing conditions aggravated by exposure:** Skin disorders. Respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous components	CAS NUMBER	%
Limestone	1317-65-3	10 - 30
Calcium oxide	1305-78-8	5 - 10
Titanium dioxide	13463-67-7	5 - 10
Talc	14807-96-6	5 - 10
Stoddard solvent	8052-41-3	5 - 10
Quartz (SiO2)	14808-60-7	1 - 5
Toluene-2,4-diisocyanate	584-84-9	0 - 0.1
Toluene-2,6-diisocyanate	91-08-7	0 - 0.1

**4. FIRST AID MEASURES**

**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

<b>Skin contact:</b>	Remove contaminated clothing and footwear. Wash with soap and water. Get medical attention.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Drink 1 or 2 glasses of water. Get medical attention. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position.

## 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	49.48 °C (121.06 °F) ; (Non-combustible solid by ASTM method)
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits - lower:</b>	1 %
<b>Flammable/Explosive limits - upper:</b>	7 %
<b>Extinguishing media:</b>	Carbon dioxide. Dry chemical. Water fog.
<b>Special firefighting procedures:</b>	Use water spray to keep fire exposed containers cool and disperse vapors. Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Unusual fire or explosion hazards:</b>	In case of fire, keep containers cool with water spray. Do not handle or store near an open flame, heat or other sources of ignition. Isolate from heat, electrical equipment, sparks, and open flame.
<b>Hazardous combustion products:</b>	Oxides of carbon. Acrid smoke and fumes.

## 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>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable and closed containers for disposal.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Use only with adequate ventilation. Keep out of the reach of children. Make sure containers are properly grounded before use or transfer of material.
<b>Storage:</b>	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 components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Limestone	10 mg/m3 TWA Total dust.	5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust.	None	None
Calcium oxide	2 mg/m3 TWA	5 mg/m3 TWA	None	None
Titanium dioxide	10 mg/m3 TWA	15 mg/m3 TWA Total dust.	None	None
Talc	2 mg/m3 TWA Respirable fraction.	20 MPPCF TWA 2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.3 mg/m3 TWA Total dust.	None	50 ppm
Stoddard solvent	100 ppm TWA	500 ppm (2,900 mg/m3) TWA	None	None
Quartz (SiO2)	0.025 mg/m3 TWA Respirable fraction.	2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable. 0.3 mg/m3 TWA Total dust.	None	None
Toluene-2,4-diisocyanate	0.005 ppm TWA 0.02 ppm STEL (Sensitizer.)	0.02 ppm (0.14 mg/m3) Ceiling	None	None
Toluene-2,6-diisocyanate	0.005 ppm TWA 0.02 ppm STEL (Sensitizer.)	None	None	None

**Engineering controls:**

Use local exhaust ventilation if the potential for airborne exposure exists.

**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.

**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

<b>Physical state:</b>	Paste
<b>Color:</b>	Gray
<b>Odor:</b>	Solvent
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Vapor pressure:</b>	< 2 mm hg (25 °C (77°F))
<b>Boiling point/range:</b>	115.3 - 282.4 °C (239.5 - 540.3 °F)
<b>Melting point/ range:</b>	Not available
<b>Specific gravity:</b>	1.18
<b>Vapor density:</b>	Heavier than air.
<b>Flash point:</b>	49.48 °C (121.06 °F) ; (Non-combustible solid by ASTM method)
<b>Flammable/Explosive limits - lower:</b>	1 %
<b>Flammable/Explosive limits - upper:</b>	7 %
<b>Autoignition temperature:</b>	Not available
<b>Evaporation rate:</b>	Less than butyl acetate.
<b>Solubility in water:</b>	Slight
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	9.41 %; 111 g/l

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Acrid smoke and fumes.
<b>Incompatible materials:</b>	Strong bases. Strong oxidizing agents. Strong Lewis acids. Strong mineral acids.
<b>Conditions to avoid:</b>	Prolonged exposure to heat.

## 11. TOXICOLOGICAL INFORMATION

**Product toxicity data:** Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Limestone	No	No	No
Calcium oxide	No	No	No
Titanium dioxide	No	Group 2B	No
Talc	No	No	No
Stoddard solvent	No	No	No
Quartz (SiO <sub>2</sub> )	Known carcinogen.	Group 1	No
Toluene-2,4-diisocyanate	Anticipated carcinogen.	Group 2B	No
Toluene-2,6-diisocyanate	Anticipated carcinogen.	Group 2B	No

Hazardous components	Health Effects/Target Organs
Limestone	Nuisance dust
Calcium oxide	Irritant, Corrosive, Eyes
Titanium dioxide	Irritant, Respiratory
Talc	Irritant, Lung, Some evidence of carcinogenicity
Stoddard solvent	Irritant, Central nervous system
Quartz (SiO <sub>2</sub> )	Immune system, Lung, Some evidence of carcinogenicity
Toluene-2,4-diisocyanate	Allergen, Eyes, Irritant, Lung, Respiratory, Some evidence of carcinogenicity
Toluene-2,6-diisocyanate	Allergen, Bone Marrow, Corrosive, Eyes, Irritant, Mutagen, Respiratory, Some evidence of carcinogenicity

## 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

**U.S. Department of Transportation Ground (49 CFR)**

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

**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:** None above reporting de minimus  
**CERCLA/SARA Section 302 EHS:** Toluene-2,4-diisocyanate (CAS# 584-84-9). Toluene-2,6-diisocyanate (CAS# 91-08-7).  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health  
**CERCLA/SARA 313:** None above reporting de minimus  
**California Proposition 65:** This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**Canada Regulatory Information**

**CEPA DSL/NDL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.  
**WHMIS hazard class:** D.2.A, D.2.B

**16. OTHER INFORMATION**

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

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