



Revision Number: 003.0

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	LOCTITE UR 7001 URETHANE SEALANT known as Loctite (R) Urethane Sealant G	IDH number:	223407
Product use:	Adhesive	Item number:	39916
Company address:	Henkel Corporation 2515 Meadowpine Boulevard Mississauga, Ontario L5N 6C3	Region:	Canada
		Contact information:	Telephone: 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 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state:	Paste	WHMIS hazard class:	D.2.A, D.2.B
Color:	Gray		
Odor:	Solvent		
WARNING:	MAY CAUSE ALLERGIC SKIN REACTION. CAUSES EYE IRRITATION. MAY BE HARMFUL IF INHALED.		

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

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. May cause skin irritation.
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. Skin allergies.

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Aromatic Polyisocyanate	Unknown	30 - 60
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, <0.1% Benzene	8052-41-3	5 - 10
Quartz (SiO2)	14808-60-7	1 - 5

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Remove contaminated clothing and footwear. Immediately flush skin with plenty of water (using soap, if available). Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
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 unless directed to do so by medical personnel. 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

Flash point:	49.48 °C (121.06 °F) ; (Non-combustible solid by ASTM method)
Autoignition temperature:	Not available.
Flammable/Explosive limits - lower:	1 %
Flammable/Explosive limits - upper:	7 %
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	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.
Unusual fire or explosion hazards:	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. 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.
Sensitivity to Mechanical Impact:	Not available.
Sensitivity to static discharge:	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.

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. Keep in suitable and closed containers for disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

7. HANDLING AND STORAGE

Handling:	Use only with adequate ventilation. Keep out of the reach of children. Make sure containers are properly grounded before use or transfer of material. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed. Refer to Section 8.
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Storage:

Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Store away from heat, sparks, flames, or other sources of ignition.

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 components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Aromatic Polyisocyanate	None	None	None	None
Limestone	10 mg/m3 TWA Total dust.	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust.	None	None
Calcium oxide	2 mg/m3 TWA	5 mg/m3 PEL	None	None
Titanium dioxide	10 mg/m3 TWA	15 mg/m3 PEL 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, <0.1% Benzene	100 ppm TWA	500 ppm (2,900 mg/m3) PEL	None	None
Quartz (SiO ₂)	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

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:	Paste
Color:	Gray
Odor:	Solvent
Odor threshold:	Not available.
pH:	Not available.
Vapor pressure:	< 2 mm hg (25 °C (77°F))
Boiling point/range:	115.3 - 282.4 °C (239.5 - 540.3 °F)
Melting point/ range:	Not available.
Specific gravity:	1.18
Vapor density:	Heavier than air.
Flash point:	49.48 °C (121.06 °F) ; (Non-combustible solid by ASTM method)
Flammable/Explosive limits - lower:	1 %
Flammable/Explosive limits - upper:	7 %
Autoignition temperature:	Not available.

Evaporation rate: Less than butyl acetate.
Solubility in water: Slight
Partition coefficient (n-octanol/water): Not available.
VOC content: 9.41 %; 111 g/l

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. Acrid smoke and fumes.
Incompatible materials: Strong bases. Strong oxidizing agents. Strong Lewis acids. Strong mineral acids.
Conditions to avoid: Prolonged exposure to heat. Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.
Toxicologically synergistic products: 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 (Specifically Regulated)	ACGIH Carcinogen
Aromatic Polyisocyanate	No	No	No	No
Limestone	No	No	No	No
Calcium oxide	No	No	No	No
Titanium dioxide	No	Group 2B	No	Group A4
Talc	No	Group 2B	No	Group A4
Stoddard solvent, <0.1% Benzene	No	No	No	No
Quartz (SiO ₂)	Known To Be Human Carcinogen.	Group 1	No	Group A2

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
Aromatic Polyisocyanate	None	Allergen, Irritant
Limestone	None	Nuisance dust
Calcium oxide	None	Irritant, Corrosive, Eyes
Titanium dioxide	None	Irritant, Respiratory, Some evidence of carcinogenicity
Talc	None	Irritant, Lung, Some evidence of carcinogenicity
Stoddard solvent, <0.1% Benzene	None	Central nervous system, Irritant
Quartz (SiO ₂)	None	Immune system, Lung, 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.

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

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 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: 4,5,6,7,8,10

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.

Prepared by: Sheila Gines, Regulatory Affairs Specialist

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