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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: LOCTITE® 1 GASKET SEALANT
Product type: Sealant
Company address:
Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 30512 / IDH No. 234887
Region: United States
Contact Information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Clay 1332-58-7	30-60	2 mg/m ³ TWA particulate matter containing no asbestos and <1% crystalline silica	15 mg/m ³ TWA total dust 5 mg/m ³ TWA respirable fraction	None
Rosin 8050-09-7	10-30	None	None	None
Methyl acetate 79-20-9	10-30	200 ppm TWA 250 ppm STEL	200 ppm TWA 610 mg/m ³ TWA	None
Vegetable oil 68187-84-8	5-10	None	None	None
Titanium dioxide 13463-67-7	1-5	10 mg/m ³ TWA	15 mg/m ³ TWA total dust	None
Soy lecithin 8030-76-0	1-5	None	None	None
Silica, quartz 14808-60-7	0.1-1	0.025 mg/m ³ TWA respirable fraction	0.1mg/m ³ TWA (respirable)	None

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Physical state: Paste
Color: Red brown
Odor: Ester-like

HMIS:

HEALTH: 2*
FLAMMABILITY: 1
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

WARNING: MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: May cause irritation to nose and throat. May cause respiratory tract irritation. Vapor overexposure may cause drowsiness.
Skin contact: May cause allergic skin reaction. May cause skin irritation. Repeated or prolonged contact can result in drying of skin.
Eye contact: Vapors may irritate eyes. Contact with eyes will cause irritation.
Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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Existing conditions aggravated by exposure:

Eye, skin, and respiratory disorders.

See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.
Skin contact:	Immediately flush skin with plenty of water (using soap, if available). Get medical attention if symptoms occur.
Eye contact:	Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
Ingestion:	Do not induce vomiting. Keep individual calm. Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Flash point:	Product is a solid. Per ASTM D 4359. Pensky Martens closed cup
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	Not determined
Flammable/Explosive limits-upper %:	Not determined
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special fire fighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	Vapor accumulation can flash or explode if ignited.
Hazardous combustion products:	Aldehydes. Oxides of carbon. Carboxylic acids.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent product from entering drains or open waters.
Clean-up methods:	Remove all sources of ignition. Ensure adequate ventilation. Scrape up spilled material and place in sealed container for disposal.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. For operations where eye or face contact could occur, provide safety shower and eyewash fountain.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Incompatible products:	Refer to Section 10.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.
Respiratory protection:	Use a NIOSH approved supplied air respirator if the potential to exceed established exposure limits exists.
Skin protection:	Use impermeable gloves and protective clothing as necessary to prevent skin contact. Butyl rubber gloves. Neoprene gloves.

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Eye/face protection: Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Paste
Color: Red brown
Odor: Ester-like
Vapor pressure: Not available
pH: Not applicable
Boiling point/range: Not available
Melting point/range: Not available
Specific gravity: 1.6 at 25°C (77°F)
Vapor density: Not available
Evaporation rate: Not available
Solubility in water: Partial
Partition coefficient (n-octanol/water): Not available
VOC content: 0.51% (EPA Method 24)

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: Oxides of carbon. Aldehydes. Carboxylic acids.

Incompatibility: Strong oxidizing agents. Amines. Ammonia. Strong acids. Sulfuric acid. Nitric acid.

Conditions to avoid: Heat, flames, sparks and other sources of ignition. Storage with incompatible materials.

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Acute oral LD50 greater than 5000mg/kg (rat)(estimated).

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Clay 1332-58-7	No	No	No
Rosin 8050-09-7	No	No	No
Methyl acetate 79-20-9	No	No	No
Vegetable oil 68187-84-8	No	No	No
Titanium dioxide 13463-67-7	No	Group 2B	Yes
Soy lecithin 8030-76-0	No	No	No
Silica, quartz 14808-60-7	Known Carcinogen	Group 1	Yes

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Clay 1332-58-7	Nuisance dust
Rosin 8050-09-7	Respiratory, Irritant, Allergen
Methyl acetate 79-20-9	Irritant, Central nervous system, Eyes, Blood
Vegetable oil 68187-84-8	No data
Titanium dioxide 13463-67-7	Irritant, Respiratory
Soy lecithin 8030-76-0	No Target Organs
Silica, quartz 14808-60-7	Some evidence of carcinogenicity, Lung, Immune system

12. ECOLOGICAL INFORMATION

Ecological information: Not available

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

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

WaterTransportation (IMO/IMDG):

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None
Marine pollutant: 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 5 (a) (2) SNUR: None.
TSCA 12 (b) Export Notification: Methyl acetate (CAS # 79-20-9).

CERCLA/SARA Section 302 EHS: None.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313: None above reporting de minimus.

California Proposition 65: This product contains a chemical known to the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the 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: 9

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