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## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	<b>LOCTITE SI 587 190ML EN/FR/ES</b>	<b>IDH number:</b>	2698846
<b>Product type/use:</b>	Silicone	<b>Item number:</b>	X350767 LOCTITE SI 587 BL AE
<b>Restriction of Use:</b>	None identified	<b>Region:</b>	United States
<b>Company address:</b>	<b>Contact information:</b>		
Henkel Corporation	Telephone: +1 (860) 571-5100		
One Henkel Way	MEDICAL EMERGENCY Phone: Poison Control Center		
Rocky Hill, Connecticut 06067	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:** CONTAINS GAS UNDER PRESSURE; MAY EXPLODE IF HEATED.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE IRRITATION.  
SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

HAZARD CLASS	HAZARD CATEGORY
GASES UNDER PRESSURE	Compr. Gas
EYE IRRITATION	2A
SKIN SENSITIZATION	1
REPRODUCTIVE TOXICITY	2

### PICTOGRAM(S)



### Precautionary Statements

<b>Prevention:</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist or spray. Wash affected area thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, clothing, eye and face protection.
<b>Response:</b>	IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Wash contaminated clothing before reuse.
<b>Storage:</b>	Store locked up. Protect from sunlight. Store in a well-ventilated place.
<b>Disposal:</b>	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions 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	Percentage*
Limestone	1317-65-3	30 - 60
Amorphous fumed silica	68611-44-9	1 - 5
Butan-2-one O,O',O''-(vinylsilylidyne)trioxime	2224-33-1	1 - 5
1,1-Difluoroethane	75-37-6	1 - 5
octamethylcyclotetrasiloxane	556-67-2	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

<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). Wash clothing before reuse. If symptoms develop and persist, get medical attention.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms develop and persist, get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.
<b>Symptoms:</b>	See Section 11.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special fire fighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.
<b>Unusual fire or explosion hazards:</b>	Contents under pressure. Do not puncture or incinerate pressurized containers.
<b>Hazardous combustion products:</b>	Oxides of carbon. Oxides of silicon. Formaldehyde. Irritating organic vapours.

### 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>	Ensure adequate ventilation. Wear appropriate personal protective equipment. Keep unnecessary personnel away. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, saw dust). 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:** Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not puncture or incinerate pressurized containers. 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.

## 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
Limestone	10 mg/m <sup>3</sup> TWA Total dust.	5 mg/m <sup>3</sup> PEL Respirable fraction. 15 mg/m <sup>3</sup> PEL Total dust.	None	None
Amorphous fumed silica	None	0.8 mg/m <sup>3</sup> TWA 20 MPPCF TWA	None	None
Butan-2-one O,O',O"- (vinylsilylidene)trioxime	None	None	None	None
1,1-Difluoroethane	None	None	1,000 ppm (2,700 mg/m <sup>3</sup> ) TWA	None
octamethylcyclotetrasiloxane	None	None	10 ppm TWA	None

- 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. 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

- |   |   |
|---|---|
| <b>Physical state:</b>                          | Aerosol   |
| <b>Color:</b>                                   | Blue  |
| <b>Odor:</b>                                    | Petroleum, Mild                                   |
| <b>Odor threshold:</b>                          | Not available.                                    |
| <b>pH:</b>                                      | Not available.                                    |
| <b>Vapor pressure:</b>                          | Not available.                                    |
| <b>Boiling point/range:</b>                     | Not available.                                    |
| <b>Melting point/ range:</b>                    | Not available.                                    |
| <b>Specific gravity:</b>                        | 1.3   |
| <b>Vapor density:</b>                           | Not available.                                    |
| <b>Flash point:</b>                             | < -50 °C (< -58°F) ASTM D3278 Setflash Closed Cup |
| <b>Flammable/Explosive limits - lower:</b>      | Not available.                                    |
| <b>Flammable/Explosive limits - upper:</b>      | Not available.                                    |
| <b>Autoignition temperature:</b>                | Not available.                                    |
| <b>Flammability:</b>                            | Not applicable                                    |
| <b>Evaporation rate:</b>                        | Not available.                                    |
| <b>Solubility in water:</b>                     | Not available.                                    |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.                                    |
| <b>VOC content:</b>                             | 3.90 %  |
| <b>Viscosity:</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>	None under normal processing.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of silicon. Formaldehyde. Irritating organic vapours. Methyl ethyl ketoxime formed during cure.
<b>Incompatible materials:</b>	Acids and bases. Oxidizing agents. Water.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	Do not puncture, incinerate, or expose to temperatures above 48.9 °C (120 °F). 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

<b>Inhalation:</b>	Inhalation of vapors or mists of the product may be irritating to the respiratory system. When heated to temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible limit.
<b>Skin contact:</b>	May cause skin irritation. May cause allergic skin reaction.
<b>Eye contact:</b>	Causes serious eye irritation.
<b>Ingestion:</b>	May cause gastrointestinal tract irritation if swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Limestone	None	Nuisance dust
Amorphous fumed silica	None	No Target Organs
Butan-2-one O,O',O''-(vinylsilyldyne)trioxime	None	Irritant, Allergen
1,1-Difluoroethane	None	Cardiac, Central nervous system, Developmental, Irritant, Respiratory
octamethylcyclotetrasiloxane	None	Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Limestone	No	No	No
Amorphous fumed silica	No	No	No
Butan-2-one O,O',O''-(vinylsilyldyne)trioxime	No	No	No
1,1-Difluoroethane	No	No	No
octamethylcyclotetrasiloxane	No	No	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.

**Hazardous waste number:** D001: Ignitable.

### 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.

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

**Proper shipping name:** Aerosols  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None

#### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Aerosols, flammable  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None  
**Exceptions:** ID8000, (Not more than 500 ml), May Qualify as Consumer Commodity

#### Water Transportation (IMO/IMDG)

**Proper shipping name:** AEROSOLS  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None  
**Exceptions:** Limited quantity (Not more than 1 L).

### 15. REGULATORY INFORMATION

#### 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.

**TSCA 12 (b) Export Notification:** None above reporting de minimis

**CERCLA/SARA Section 302 EHS:** None above reporting de minimis.  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health, Fire, Pressure  
**CERCLA/SARA Section 313:** None above reporting de minimis.

**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.

### 16. OTHER INFORMATION

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

**Prepared by:** Product Safety and Regulatory Affairs

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