



Revision Number: 006.0

Issue date: 12/06/2021

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** LOCTITE STYCAST LA 2219-50 known as STYCAST LS-2219-50 28GM/30CC EF  
**IDH number:** 1189009

**Product type/use:** Silicone adhesive  
**Restriction of Use:** None identified  
**Company address:** Henkel Corporation  
 One Henkel Way  
 Rocky Hill, Connecticut 06067

**Region:** United States  
**Contact information:**  
 Telephone: +1 (860) 571-5100  
 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:** SUSPECTED OF CAUSING CANCER.  
 SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

| HAZARD CLASS          | HAZARD CATEGORY |
|-----------------------|-----------------|
| CARCINOGENICITY       | 2               |
| REPRODUCTIVE TOXICITY | 2               |

### PICTOGRAM(S)



### Precautionary Statements

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, clothing, eye and face protection.

**Response:** IF exposed or concerned: Get medical attention.

**Storage:** Store locked up.

**Disposal:** 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* |
|--|-------------|-------------|
| Siloxanes and silicones, dimethyl, methyl hydrogen | 68037-59-2  | 1 - 5       |
| 1-vinyl-2-pyrrolidone                              | 88-12-0     | 0.1 - 1     |
| Vinyl acetate                                      | 108-05-4    | 0.1 - 1     |
| Substituted silane                                 | Proprietary | 0.1 - 1     |
| 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. Get medical attention.   |
| <b>Skin contact:</b> | Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. 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. Get medical attention.  |
| <b>Ingestion:</b>    | DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.  |
| <b>Symptoms:</b>     | See Section 11.  |

## 5. FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>Extinguishing media:</b>               | Water spray (fog), foam, dry chemical or carbon dioxide.   |
| <b>Special firefighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray. |
| <b>Unusual fire or explosion hazards:</b> | Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.  |
| <b>Hazardous combustion products:</b>     | Oxides of carbon. Oxides of silicon. Formaldehyde. 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.

|                                   |   |
|-----------------------------------|---|
| <b>Environmental precautions:</b> | Do not allow product to enter sewer or waterways.   |
| <b>Clean-up methods:</b>          | 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. |

## 7. HANDLING AND STORAGE

|                  |  |
|------------------|--|
| <b>Handling:</b> | Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Refer to Section 8. |
| <b>Storage:</b>  | For safe storage, store at or below 0 °C (32°F)  |

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 |
|--|---------------------------|----------|------------|-------|
| Siloxanes and silicones, dimethyl, methyl hydrogen | None                      | None     | None       | None  |
| 1-vinyl-2-pyrrolidone                              | 0.05 ppm TWA              | None     | None       | None  |
| Vinyl acetate                                      | 10 ppm TWA<br>15 ppm STEL | None     | None       | None  |
| Substituted silane                                 | None                      | None     | None       | None  |
| octamethylcyclotetrasiloxane                       | None                      | None     | 10 ppm TWA | None  |

|                                |   |
|--------------------------------|---|
| <b>Engineering controls:</b>   | Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.   |
| <b>Respiratory protection:</b> | Use NIOSH approved respirator if there is potential to exceed exposure limit(s).  |
| <b>Eye/face protection:</b>    | 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. |
| <b>Skin protection:</b>        | Use impermeable gloves and protective clothing as necessary to prevent skin contact.  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |  |
|---|--|
| <b>Physical state:</b>                          | Liquid   |
| <b>Color:</b>                                   | White  |
| <b>Odor:</b>                                    | Slight   |
| <b>Odor threshold:</b>                          | Not available.                                     |
| <b>pH:</b>                                      | Not available.                                     |
| <b>Vapor pressure:</b>                          | Negligible vapor pressure at ambient temperatures. |
| <b>Boiling point/range:</b>                     | Not determined                                     |
| <b>Melting point/ range:</b>                    | Not available.                                     |
| <b>Specific gravity:</b>                        | 1  |
| <b>Vapor density:</b>                           | Not available.                                     |
| <b>Flash point:</b>                             | > 93.3 °C (> 199.94 °F)                            |
| <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>                     | Insoluble  |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.                                     |
| <b>VOC content:</b>                             | < 5 g/l  |
| <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. Polymerization may occur at elevated temperature or in the presence of incompatible materials. |
| <b>Hazardous decomposition products:</b> | Oxides of carbon. Oxides of silicon. Formaldehyde. Irritating organic vapours.   |
| <b>Incompatible materials:</b>           | Strong oxidizing agents. Strong acids and strong bases.  |
| <b>Reactivity:</b>                       | Not available.   |
| <b>Conditions to avoid:</b>              | High temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.               |

## 11. TOXICOLOGICAL INFORMATION

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| <b>Relevant routes of exposure:</b> | Skin, Inhalation, Eyes, Ingestion |
|-------------------------------------|-----------------------------------|

### Potential Health Effects/Symptoms

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | May cause respiratory tract irritation. 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>  | May cause irritation.   |
| <b>Ingestion:</b>    | May cause gastrointestinal tract irritation if swallowed.   |

| Hazardous Component(s)                             | LD50s and LC50s  | Immediate and Delayed Health Effects  |
|--|--|---|
| Siloxanes and silicones, dimethyl, methyl hydrogen | None   | Irritant  |
| 1-vinyl-2-pyrrolidone                              | Oral LD50 (Rat) = 1,470 mg/kg<br>Oral LD50 (Mouse) +/- 940 mg/kg<br>Dermal LD50 (Rabbit) = 560 mg/kg<br>Inhalation LC50 (Rat, 4 h) = 2.87 mg/l<br>Inhalation LC50 (Rat, 4 h) = 3.32 mg/l | Blood, Irritant, Liver, Olfactory, Some evidence of carcinogenicity         |
| Vinyl acetate                                      | Oral LD50 (Rat) = 2,920 mg/kg<br>Oral LD50 (Mouse) = 1,613 mg/kg<br>Dermal LD50 (Rabbit) = 2,335 mg/kg<br>Inhalation LC50 (Rat, 4 h) = 4490 ppm  | Central nervous system, Irritant, Mutagen, Some evidence of carcinogenicity |
| Substituted silane                                 | Inhalation LC50 (Rat, 4 h) = > 5.3 mg/l  | Allergen, Irritant  |
| octamethylcyclotetrasiloxane                       | Oral LD50 (Rat) = > 4,800 mg/kg<br>Dermal LD50 (Rat) = > 2,000 mg/kg<br>Dermal LD50 (Rabbit) = > 4,640 mg/kg<br>Inhalation LC50 (Rat, 4 h) = 36 mg/l                                     | Irritant  |

| Hazardous Component(s)                             | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|--|----------------|-----------------|--|
| Siloxanes and silicones, dimethyl, methyl hydrogen | No             | No              | No                                       |
| 1-vinyl-2-pyrrolidone                              | No             | No              | No                                       |
| Vinyl acetate                                      | No             | Group 2B        | No                                       |
| Substituted silane                                 | 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.

## 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)

|                                  |               |
|----------------------------------|---------------|
| <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)

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

|   |   |
|---|---|
| <b>TSCA 8 (b) Inventory Status:</b>     | All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.  |
| <b>TSCA 12 (b) Export Notification:</b> | None above reporting de minimis   |
| <b>CERCLA/SARA Section 302 EHS:</b>     | Vinyl acetate (CAS# 108-05-4).  |
| <b>CERCLA/SARA Section 311/312:</b>     | Immediate Health, Delayed Health  |
| <b>CERCLA/SARA Section 313:</b>         | This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Vinyl acetate (CAS# 108-05-4). |
| <b>California Proposition 65:</b>       | 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**

|                             |   |
|-----------------------------|---|
| <b>CEPA DSL/NDL Status:</b> | 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: 3,8,11,16

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

**Issue date:** 12/06/2021

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

This Safety Data Sheet has been generated based on OSHA Hazard Communication Standard (29 CFR 1910.1200) and provides information in accordance with U.S. federal law only. No warranty or representation of any kind is given with respect to the substantive export or other laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Loctite:](#)

[1189009](#)