**Revision Number:** 002.1 **Issue date:** 09/11/2014

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** **LOCTITE 5510 ADH SEAL GR 300ML**
**Product type:** MS Adhesive
**Restriction of Use:** None identified
**Company address:**
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

**IDH number:** 1562044
**Item number:** 1562044
**Region:** United States
**Contact information:**
Telephone: (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: | CAUSES SKIN IRRITATION.<br>MAY CAUSE AN ALLERGIC SKIN REACTION.<br>CAUSES SERIOUS EYE IRRITATION. |

| HAZARD CLASS | HAZARD CATEGORY |
|---|---|
| SKIN IRRITATION | 2 |
| EYE IRRITATION | 2A |
| SKIN SENSITIZATION | 1 |

**PICTOGRAM(S)**



**Precautionary Statements**

**Prevention:** Avoid breathing vapors, mist, or spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye and face protection. Wear protective gloves.

**Response:** IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.

**Storage:** Not prescribed

**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* |
|---|---|---|

| | | |
|---|---|---|
| Calcium carbonate | 471-34-1 | 30 - 60 |
| Di-''isodecyl'' phthalate | 26761-40-0 | 10 - 30 |
| Limestone | 1317-65-3 | 10 - 30 |
| Titanium dioxide | 13463-67-7 | 1 - 5 |
| Silane derivative | Proprietary | 1 - 5 |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate | 52829-07-9 | 0.1 - 1 |
| Reactive Silane | Proprietary | 0.1 - 1 |
| Octadecanoic acid | 57-11-4 | 0.1 - 1 |
| Carbon black | 1333-86-4 | 0.1 - 1 |

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

## 4. FIRST AID MEASURES

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms develop and persist, get medical attention.

**Skin contact:** Wipe off with paper towel or cloth. Wash with soap and water. If symptoms develop and persist, get medical attention.

**Eye contact:** Flush eye(s) immediately with plenty of water. If eye irritation persists, consult a specialist.

**Ingestion:** Keep individual calm. Do not induce vomiting. Seek medical advice.

**Symptoms:** See Section 11.

## 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Water spray (fog), foam, dry chemical or carbon dioxide.

**Special firefighting procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**Unusual fire or explosion hazards:** Not available.

**Hazardous combustion products:** Oxides of carbon. Oxides of silicon. Acrid smoke and fumes. 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.**

**Environmental precautions:** Do not allow product to enter sewer or waterways.

**Clean-up methods:** Rinse spill area with water. Spilled material will solidify. Sweep up spilled material and place in a closed container for disposal. Avoid creating dust.

## 7. HANDLING AND STORAGE

**Handling:** Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not handle contact lenses until all sealant has been removed from hands. Residual sealant may transfer to lenses and cause eye irritation.

**Storage:** Store in a cool, dry, well-ventilated area. Store in original container until ready to 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 Component(s) | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER |
|---|---|---|---|---|
| Calcium carbonate | 10 mg/m3 TWA Total dust. | 5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. | None | None |
| Di-"isodecyl" phthalate | 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 |
| Titanium dioxide | 10 mg/m3 TWA | 15 mg/m3 PEL Total dust. | None | None |
| Silane derivative | None | None | None | None |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate | None | None | None | None |
| Reactive Silane | None | None | None | None |
| Octadecanoic acid | 10 mg/m3 TWA | None | None | None |
| Carbon black | 3 mg/m3 TWA Inhalable fraction. | 3.5 mg/m3 PEL | None | None |

**Engineering controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:** No personal respiratory protective equipment normally required. Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**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:** Chemical resistant, impermeable gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Paste, Liquid
**Color:** Gray
**Odor:** Mild
**Odor threshold:** Not available.
**pH:** Not available.
**Vapor pressure:** Not available.
**Boiling point/range:** > 93 °C (> 199.4 °F)
**Melting point/ range:** Not available.
**Specific gravity:** 1.45
**Vapor density:** Not available.
**Flash point:** > 93 °C (> 199.4 °F) ; Estimated
**Flammable/Explosive limits - lower:** Not available.
**Flammable/Explosive limits - upper:** Not available.
**Autoignition temperature:** Not available.
**Evaporation rate:** Not available.
**Solubility in water:** Insoluble
**Solubility in water:** Insoluble
**Partition coefficient (n-octanol/water):** Not available.
**VOC content:** 1.74 %; 24.5 g/l
**Viscosity:** Not available.
**Decomposition temperature:** Not available.

## 10. STABILITY AND REACTIVITY

**Stability**: Stable at normal conditions.

**Hazardous reactions:** None under normal processing.

**Hazardous decomposition products:** Oxides of carbon. Oxides of silicon. Irritating organic vapours. Methanol is liberated slowly upon exposure to moisture.

**Incompatible materials:** Acids and bases. Oxidizing agents.

**Reactivity:** Not available.

**Conditions to avoid:** Extremes of temperature and direct sunlight. Heat, flames, sparks and other sources of ignition. Exposure to moisture.

## 11. TOXICOLOGICAL INFORMATION

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

**Potential Health Effects/Symptoms**

**Inhalation:** May cause respiratory tract irritation.
**Skin contact:** Causes skin irritation. May cause allergic skin reaction.
**Eye contact:** Causes serious eye irritation.
**Ingestion:** May cause gastrointestinal tract irritation if swallowed.

| Hazardous Component(s) | LD50s and LC50s | Immediate and Delayed Health Effects |
|---|---|---|
| Calcium carbonate | Oral LD50 (RAT) = 6,450 mg/kg | Nuisance dust |
| Di-"isodecyl" phthalate | Oral LD50 (RAT) = 64,000 mg/kg<br>Dermal LD50 (RABBIT) = > 3,160 mg/kg<br>Inhalation LC50 (RAT, 4 h) = > 12.54 mg/l | Irritant, Allergen |
| Limestone | None | Nuisance dust |
| Titanium dioxide | None | Irritant, Respiratory, Some evidence of carcinogenicity |
| Silane derivative | None | Irritant, Allergen |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate | None | No Data |
| Reactive Silane | None | Irritant, Allergen |
| Octadecanoic acid | Oral LD50 (RAT) = 4.6 g/kg | Irritant |
| Carbon black | Oral LD50 (RAT) = > 8,000 mg/kg | Respiratory, Some evidence of carcinogenicity |

| Hazardous Component(s) | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|---|---|---|---|
| Calcium carbonate | No | No | No |
| Di-"isodecyl" phthalate | No | No | No |
| Limestone | No | No | No |
| Titanium dioxide | No | Group 2B | No |
| Silane derivative | No | No | No |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate | No | No | No |
| Reactive Silane | No | No | No |
| Octadecanoic acid | No | No | No |
| Carbon black | No | Group 2B | No |

## 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.

**Hazardous waste number:** Not a RCRA hazardous waste.

## 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:** Not regulated
**Hazard class or division:** None
**Identification number:** None
**Packing group:** None

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

**Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s. (Polyamide resin)
**Hazard class or division:** 9
**Identification number:** UN 3082
**Packing group:** III

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polyamide resin)
**Hazard class or division:** 9
**Identification number:** UN 3082
**Packing group:** III
**Marine pollutant:** Polyamide resin

## 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 minimis

**CERCLA/SARA Section 302 EHS:** None above reporting de minimis
**CERCLA/SARA Section 311/312:** Immediate Health
**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/NDSL Status:** One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-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:** Lou Fabrizio, Regulatory Affairs Specialist

**Issue date:** 09/11/2014

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