

Material Safety Data Sheet



Revision Number: 001.5

Issue date: 07/10/2013

1. PRODUCT AND COMPANY IDENTIFICATION

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|-------------------------|---|-----------------------------|--|
| Product name: | LOCTITE® 5510™ ELASTIC ADHESIVE | IDH number: | 1562040 |
| Product type: | adhesive and sealant | Item number: | 1562040 |
| Company address: | Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067 | 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

| | | | |
|------------------------|---------|-----------------------------|--------------------|
| Physical state: | Paste | HEALTH: | 1 |
| Color: | Clear | FLAMMABILITY: | 1 |
| Odor: | typical | PHYSICAL HAZARD: | 0 |
| | | Personal Protection: | See MSDS Section 8 |

CAUTION: PROLONGED OR REPEATED CONTACT WITH UNCURED SEALANT MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. REPEATED OR PROLONGED CONTACT MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF SWALLOWED.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

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|----------------------|---|
| Inhalation: | Inhalation of vapors from uncured sealant may cause respiratory tract irritation. |
| Skin contact: | Prolonged or repeated contact with uncured sealant may cause skin irritation. May cause allergic skin reaction. |
| Eye contact: | Contact with uncured product may irritate the eyes. |
| Ingestion: | May cause gastrointestinal tract irritation if swallowed. |

Existing conditions aggravated by exposure: Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous components | CAS NUMBER | % |
|----------------------|-------------|---------|
| Phthalate Ester | Proprietary | 30 - 60 |
| Silane derivative | Proprietary | 1 - 5 |
| Reactive Silane | Proprietary | 0.1 - 1 |
| Dioctyltin dilaurate | 3648-18-8 | 0.1 - 1 |

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Product name: LOCTITE® 5510™ ELASTIC ADHESIVE

4. FIRST AID MEASURES

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|----------------------|---|
| Inhalation: | Move to an area free from risk of further exposure. 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. |

5. FIRE FIGHTING MEASURES

| | |
|--|--|
| Flash point: | > 93 °C (> 199.4 °F) ; Estimated |
| Autoignition temperature: | None expected. |
| Flammable/Explosive limits - lower: | Not available. |
| Flammable/Explosive limits - upper: | Not available. |
| Extinguishing media: | Foam, dry chemical or carbon dioxide. |
| Special firefighting procedures: | Wear self-contained breathing apparatus. |
| Unusual fire or explosion hazards: | None |
| Hazardous combustion products: | Toxic fumes. Acrid smoke and fumes. Aldehydes. Oxides of nitrogen. Oxides of carbon. |

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

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|-----------------------------------|--|
| Environmental precautions: | Do not allow product to enter sewer or waterways. |
| Clean-up methods: | Maintain good ventilation for large spills. Scrape up as much material as possible. Spilled material will solidify. Store in a partly filled, closed container until disposal. |

7. HANDLING AND STORAGE

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|------------------|---|
| Handling: | Avoid contact with eyes, skin and clothing. 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: | For safe storage, store between 15 °C (59°F) and 25 °C (77°F) Keep container closed. |

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 components | ACGIH TLV | OSHA PEL | AIHA WEEL | OTHER |
|------------------------|---|--------------------------|-----------|-------|
| Phthalate Ester | None | None | None | None |
| Silane derivative | None | None | None | None |
| Reactive Silane | None | None | None | None |
| Diocetyl tin dilaurate | (SKIN) (as Sn) 0.2 mg/m3 STEL (as Sn) 0.1 mg/m3 TWA (as Sn) | 0.1 mg/m3 TWA (as Sn) | None | None |

| | |
|--------------------------------|--|
| Engineering controls: | Ensure adequate ventilation, especially in confined areas. |
| 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. |
| Skin protection: | Chemical resistant, impermeable gloves. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|----------------------------------|
| Physical state: | Paste |
| Color: | Clear |
| Odor: | typical |
| Odor threshold: | Not available. |
| pH: | Not available. |
| Vapor pressure: | Not available. |
| Boiling point/range: | Not available. |
| Melting point/ range: | Not available. |
| Specific gravity: | 1.3 |
| 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: | None expected. |
| Evaporation rate: | Not available. |
| Solubility in water: | Insoluble |
| Partition coefficient (n-octanol/water): | Not available. |
| VOC content: | < 4 % |

10. STABILITY AND REACTIVITY

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| Stability: | Stable |
| Hazardous reactions: | Will not occur. |
| Hazardous decomposition products: | Oxides of nitrogen. Oxides of carbon. Aldehydes. Irritating organic vapours. Toxic fumes. |
| Incompatible materials: | Amines. Oxidizing agents. |
| Conditions to avoid: | Extremes of temperature and direct sunlight. Heat, flames, sparks and other sources of ignition. |

11. TOXICOLOGICAL INFORMATION

| Hazardous components | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|------------------------|----------------|-----------------|---|
| Phthalate Ester | No | No | No |
| Silane derivative | No | No | No |
| Reactive Silane | No | No | No |
| Diocetyl tin dilaurate | No | No | No |

| Hazardous components | Health Effects/Target Organs |
|------------------------|---|
| Phthalate Ester | Irritant, Allergen |
| Silane derivative | Irritant, Allergen |
| Reactive Silane | Irritant, Allergen |
| Diocetyl tin dilaurate | Behavioral, Blood, Developmental, Eyes, Gastrointestinal, Immune system, Irritant, Kidney, Liver, Lung, Metabolic, Nervous System, Reproductive, Skin |

12. ECOLOGICAL INFORMATION

Ecological information:

No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, ground water, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

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: 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

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

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 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. |
| WHMIS hazard class: | D.2.B |

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: Updated composition in Section 3.

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