

**Revision Date:** 06/04/2008

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b> LOCTITE® 5510™ White ADHESIVE / SEALANT <b>Product type:</b> Moisture Curable Sealant <b>Company address:</b> Henkel Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067	<b>Item No. :</b> 42568 / IDH No. 1073344 <b>Region:</b> United States <b>Contact Information:</b> Telephone: 860.571.5100 Emergency telephone: 860.571.5100 Internet: www.loctite.com
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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Filler Proprietary	30-60	10 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and <1% crystalline silica)	15 mg/m <sup>3</sup> TWA (total dust) 5 mg/m <sup>3</sup> TWA (respirable fraction)	None
Plasticizer Proprietary	10-30	None	None	None
Silanated prepolymer Proprietary	10-30	None	None	None
Reinforcing Filler Proprietary	10-30	10 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and <1% crystalline silica)	15 mg/m <sup>3</sup> TWA total 5 mg/m <sup>3</sup> TWA	None
polyamide resin Proprietary	1-5	None	None	None
Titanium dioxide 13463-67-7	1-5	10 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> TWA total dust	None
Silane derivative Proprietary	1-5	None	None	None
Anhydrous alumino silicate 66402-68-4	0.1-1	0.01 mg/m <sup>3</sup> STEL 0.002 mg/m <sup>3</sup> TWA 0.02 mg/m <sup>3</sup> TWA 0.5 mg/m <sup>3</sup> TWA 1 mg/m <sup>3</sup> TWA	2 µg/m <sup>3</sup> TWA 5 µg/m <sup>3</sup> Ceiling	None

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

<b>Physical state:</b> Liquid/paste <b>Color:</b> White <b>Odor:</b> Slight	<b>HMIS:</b> <b>HEALTH:</b> 1* <b>FLAMMABILITY:</b> 1 <b>PHYSICAL HAZARD:</b> 0 <b>Personal Protection:</b> See Section 8
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**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.

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

### Potential Health Effects

**Item No. :** 42568 / IDH No. 1073344

**Product name:** LOCTITE® 5510™ White ADHESIVE / SEALANT

<b>Inhalation:</b>	This material does not normally present an inhalation hazard, however, in applications where vapors (caused by high temperatures) or mists (caused by mixing) are created, breathing may cause respiratory tract irritation.
<b>Skin contact:</b>	Prolonged or repeated contact with uncured sealant may cause skin irritation. May cause allergic skin reaction.
<b>Eye contact:</b>	Contact with uncured product may irritate the eyes.
<b>Ingestion:</b>	Not expected under normal conditions of use. Do not taste or swallow.

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

**See Section 11 for additional toxicological information.**

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.
<b>Eye contact:</b>	Flush eye(s) immediately with plenty of water. If eye irritation persists, consult a specialist.
<b>Ingestion:</b>	Do not induce vomiting. Get medical attention if symptoms develop and persist.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	Greater than 93°C (200°F)
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits-lower %:</b>	Not available
<b>Flammable/Explosive limits-upper %:</b>	Not available
<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.
<b>Unusual fire or explosion hazards:</b>	None
<b>Hazardous combustion products:</b>	Oxides of carbon. Oxides of silicon. Acrid smoke and fumes.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Prevent product from entering drains or open waters.
<b>Clean-up methods:</b>	Soak up with inert absorbent. Store in a partly filled, closed container until disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing 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.
<b>Storage:</b>	For safe storage, store at or below 38°C (100°F). Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
<b>Incompatible products:</b>	Refer to Section 10.

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

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	Ensure adequate ventilation, especially in confined areas. Use local exhaust ventilation if the potential for airborne exposure exists.
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**Respiratory protection:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Skin protection:** Use impermeable gloves and protective clothing as necessary to prevent skin contact. Neoprene gloves. Butyl rubber gloves. Natural rubber gloves.

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

See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid/paste  
**Color:** White  
**Odor:** Slight  
**Vapor pressure:** Not available  
**pH:** Not applicable  
**Boiling point/range:** Greater than 93°C (200°F)  
**Melting point/range:** Not available  
**Specific gravity:** 1.41  
**Vapor density:** Not available  
**Evaporation rate:** Not available  
**Solubility in water:** Insoluble.  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** 2.39%; 16.78 grams/liter

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.

**Hazardous polymerization:** Will not occur.

**Hazardous decomposition products:** Oxides of carbon. Oxides of silicon. Irritating organic vapors.

**Incompatibility:** Acids and bases. Oxidizing agents.

**Conditions to avoid:** See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Filler Proprietary	No	No	No
Plasticizer Proprietary	No	No	No
Silanated prepolymer Proprietary	No	No	No
Reinforcing Filler Proprietary	No	No	No
polyamide resin Proprietary	No	No	No
Titanium dioxide 13463-67-7	No	Group 2B	Yes
Silane derivative Proprietary	No	No	No
Anhydrous alumino silicate 66402-68-4	Known Carcinogen	Group 2B	Yes

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Filler Proprietary	Nuisance dust
Plasticizer Proprietary	No Records
Silanated prepolymer Proprietary	No Records
Reinforcing Filler Proprietary	Nuisance dust
polyamide resin Proprietary	No data
Titanium dioxide 13463-67-7	Irritant, Respiratory
Silane derivative Proprietary	Irritant, Allergen
Anhydrous alumino silicate 66402-68-4	Lung

## 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, groundwater, 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:** Dispose of according to Federal, State and local governmental regulations.

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

## 14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

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

Proper shipping name: Unrestricted  
Hazard class or division: None  
Identification number: None  
Packing group: None

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

Proper shipping name: Unrestricted  
Hazard class or division: None  
Identification number: None  
Packing group: None

### WaterTransportation (IMO/IMDG):

Proper shipping name: Unrestricted  
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 12 (b) Export Notification:** None.

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

**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

### 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.A, D.2.B

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: First issue.

**Prepared by:** Lou Fabrizio, Senior Health & Regulatory Affairs Specialist

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