

# MATERIAL SAFETY DATA SHEET

Business Hours 8:00 am - 5:00 pm  
Emergency Telephone Number  
972/442-6545

HARDCAST PRODUCTS  
CARLISLE COATINGS AND WATERPROOFING, INC.  
Subsidiary of Carlisle Corporation  
900 Hensley Lane Wylie, Texas 75098

FOR TRANSPORTATION EMERGENCIES  
CALL CHEMTREC 800/424-9300

## SECTION I

PRODUCT NAME & SYNONYMS	CHEMICAL FAMILY	HMIS RATINGS	
PT 301H	Silicone Rubber Sealant	Health	1
PRODUCT USE	FORMULA	Flammability	1
High Temperature Joint and Seam Sealant	Mixture	Reactivity	0

## SECTION IIA - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	%	OSHA PEL (ppm)	ACGIH TLV (ppm)	LD50 Ingredient	LC50Ingredient
Methyltriacetoxysilane	4253-34-3	2	10	10	Not Available	Not Available
Ethyltriacetoxysilane	17689-77-9	2	10	10	Not Available	Not Available
Silica, Amorphous	7631-86-9	10	15 mg/m3 (total dust)	10 mg/m3 (total dust)	Not Available	Not Available
5 mg/m3 (respirable)						
Iron Oxide, Red	1309-37-1		10 mg/m3	5 mg/m3	Not Available	Not Available
Comments: Observe limits for acetic acid formd during curing on exposure to water or humid air. OSHA PEL: TWA=10 ppm, ACGIH TLV: TWA 10 ppm, STEL 15 ppm						

## SECTION IIB - ADDITIONAL INGREDIENTS (> 3%)

N/E=Not established N/A=Not applicable

## SECTION III - PHYSICAL DATA

SPECIFIC GRAVITY 1.03	BOILING POINT Not applicable	% VOLATILES BY WT Less than 5%	VAPOR DENSITY (Air = 1) Not applicable
VAPOR PRESSURE Less than 5 mm @ 77 deg. F	FREEZING POINT Not applicable	SOLUBILITY IN WATER Less than 0.1%	EVAPORATION RATE Not applicable
pH Not applicable	PHYSICAL STATE Paste	ODOR THRESHOLD Acetic Acid	CORROSIVITY Corrosive to some metals
ODOR & APPEARANCE Red paste with acetic acid odor.	VOC 43 GPL		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY Not Flammable	IF YES, UNDER WHAT CONDITIONS		
FLASHPOINT Not Determined	AUTOIGNITION TEMPERATURE Not Determined	LOWER FLAMMABLE LIMIT Not Determined	UPPER FLAMMABLE LIMIT Not Determined

### HAZARDOUS COMBUSTION PRODUCTS

Silicone Dioxide, Carbon Dioxide and traces of incompletely Burned carbon

### EXTINGUISHING MEDIA

Dry chemical, Carbon dioxide, Water mist, Foam

### SPECIAL FIREFIGHTING PROCEDURES

Keep container cool. Use equipment or shielding as required to protect personal against bursting, rupturing, or venting of containers. Firefighters should wear normal self-contained breathing apparatus, especially in enclosed area.

### UNUSUAL FIRE & EXPLOSION HAZARDS

There is no evidence that this product is sensitive to physical shock or static discharge.

## SECTION V - REACTIVITY DATA

This product is chemically stable. Hazardous polymerization will not occur.	CONDITIONS TO AVOID Exposure to air or moisture until ready to us. Keep away from excessive heat.
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### INCOMPATIBILITY

Oxidizing material can cause a reaction. Air or moisture causes curing and the liberation of acetic acid vapor.

### DECOMPOSITION PRODUCTS

Combustion may yield a variety of compounds such as CO, CO2, simple hydrocarbons, acids, aldehydes and ketones.

## SECTION VI - TOXICOLOGICAL PROPERTIES

### EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Eyes: Direct contact irritates slightly to moderately with redness and swelling.

Skin: A single short exposure (<24 hours) may irritate. Repeated prolonged contact ( 24 to 48 Hours) may irritate moderately.

Inhalation: Vapor exposure may irritate eyes, nose, and throat.

Ingestion: Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive comfort.

Comments: No injury from silica dust should occur during reasonable use. If use creates respirable particles, some respiratory system injury may occur. Cured sealant is nonhazardous.

The above listed potential effects of overexposure are based on actual data, results of studies performed on similar compositions, component data and/or expert review of the product. Overexposure to any chemical may result in enhancement of pre-existing adverse medical conditions and allergic reactions.

## EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

Cured sealant is non hazardous.

EXPOSURE LIMITS Not established	SENSITIZATION TO PRODUCT None knowr	IRRITANCY OF PRODUCT None knowr	SYNERGISTIC PRODUCTS None knowr
CARCINOGENICITY No evidence	MUTAGENICITY & TUMORIGENICITY No evidence	REPRODUCTIVE TOXICITY No evidence	TERATOGENICITY No evidence

## SECTION VII - PREVENTIVE MEASURES

EYE PROTECTION Safety glasses or goggles	GLOVES Rubber or plastic gloves are recommended
RESPIRATOR NIOSH approved respirator if TLV and PEL are exceeded.	FOOTWEAR Industrial shoes to protect feet from contact with adhesive
OTHER Long sleeves, long trousers to protect skin from contact with adhesive	

## ENGINEERING CONTROLS

Use mechanical ventilation to stay below 10 ppm TLV for Acetic acid as required. Product releases acetic acid during application and cure. An eyewash station should be available. Use in a well ventilated area. Precautions are for room temperature applications. Use at elevated temperatures may require added precautions.

## LEAK OR SPILL PROCEDURE

Absorb in an inert material and put in a container for disposal. Wash area with detergent and water.

## WASTE DISPOSAL

Dispose of in accordance with all local, state, and federal regulations.

## HANDLING PROCEDURES &amp; EQUIPMENT

Keep out of reach of children. Avoid contact with eyes and skin. Remove contact lenses before using sealant. Do not handle lenses until all sealant has been removed from fingertips, nails, cuticles. Residual sealant may remain on hands and transfer to lenses with possible severe eye irritation. Remove contaminated clothing as soon as practical. Wash with soap and water after use, especially before eating, smoking, or drinking. DO NOT TAKE INTERNALLY. Comments: Traces of formaldehyde may form if heated in air above 300 deg F.

## STORAGE REQUIREMENTS

Keep container closed when not in use. Store in a cool, dry place (less than 90°F).

## SPECIAL SHIPPING INFORMATION

None

## SECTION VIII - FIRST AID MEASURES

EYE CONTACT Immediately flush with large amounts of running water for at least 15 minutes. Get medical attention.
SKIN CONTACT Wipe off and immediately wash skin with soap and running water. If irritation persists, contact a physician.
INHALATION Move to fresh air. Provide oxygen if breathing is difficult. If necessary, give artificial respiration. If symptoms persist, seek medical attention.
INGESTION May be harmful depending on quantity ingested. Get medical attention.

## SECTION IX - REGULATORY INFORMATION

***This product does not contain the following toxic chemicals subject to the reporting requirements of SARA 313 of the Emergency Planning & Community Right-to-Know Act of 1986 & of 40CFR 372:***

**PA:**

CHEMICAL NAME	CAS #	%
Silica, Amorphous	7631-86-9	10
Polydimethylsiloxane, Hydroxy Terminated	70131-67-8	84

**MA:**

CHEMICAL NAME	CAS #	%
Silica, Amorphous	7631-86-9	10

**NJ:**

Silica, Amorphous Fumed	7631-86-9	10
Methyltriacetoxysilane	4253-34-3	2
Ethyltriacetoxysilane	17689-77-9	2
Polydimethylsiloxane, Hydroxy Terminated	70131-67-8	84
Polydimethylsiloxane	63148-62-9	Proprietary

**CANADA: WHIMS**

Silica, Amorphous Fumed	7631-86-9	10
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## SECTION X - PREPARATION INFORMATION

PREPARED BY R & D Group	DATE 6 June 2002	REVISION # #4	SUPERSEDES ALL PREVIOUS PUBLICATIONS
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**NOTICE**

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