

## DOW CORNING(R) 730 SOLVENT RESISTANT SEALANT

## 1. PRODUCT AND COMPANY IDENTIFICATION

Dow Corning Corporation  
South Saginaw Road  
Midland, Michigan 48686

**24 Hour Emergency Telephone: (989) 496-5900**

Customer Service: (989) 496-6000

Product Disposal Information: (989) 496-6315

CHEMTREC: (800) 424-9300

MSDS No.: 01907484

Revision Date: 2010/02/02

Generic Description: Fluorosilicone  
Physical Form: Paste  
Color: White  
Odor: Acetic acid odor

NFPA Profile: Health 3 Flammability 1 Instability/Reactivity 0

Note: NFPA = National Fire Protection Association

## 2. HAZARDS IDENTIFICATION

**POTENTIAL HEALTH EFFECTS****Acute Effects**

Eye: Direct contact may cause severe irritation.  
Skin: Corrosive. Burns skin upon prolonged contact.  
Inhalation: Vapor may irritate respiratory tract.  
Oral: Low ingestion hazard in normal use.

**Prolonged/Repeated Exposure Effects**

Skin: No known applicable information.  
Inhalation: No known applicable information.  
Oral: Repeated ingestion or swallowing large amounts may injure internally.

**Signs and Symptoms of Overexposure**

No known applicable information.

**Medical Conditions Aggravated by Exposure**

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions,

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component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
4130-08-9	5.0 - 10.0	Vinyltriacetoxysilane

The above components are hazardous as defined in 29 CFR 1910.1200.

**4. FIRST AID MEASURES**

Eye:	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 - 20 minutes while holding the eyelid(s) open. If contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately obtain medical attention.
Skin:	As quickly as possible remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Immediately flush with lukewarm gently flowing water for 15 minutes. Completely decontaminate clothing, shoes and leather goods before reuse or discard. Immediately obtain medical attention.
Inhalation:	Remove from the source of contamination or move to fresh air. If breathing is difficult, trained personnel should administer emergency oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration or if the heart has stopped, cardiopulmonary resuscitation. Obtain medical attention.
Oral:	If irritation or discomfort occur, obtain medical advice.
Notes to Physician:	Treat according to person's condition and specifics of exposure.

**5. FIRE FIGHTING MEASURES**

Flash Point:	> 214 °F / > 101.1 °C (Closed Cup)
Autoignition Temperature:	Not determined.
Flammability Limits in Air:	Not determined.
Extinguishing Media:	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO <sub>2</sub> ), dry chemical or water spray. Water can be used to cool fire exposed containers.

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**Fire Fighting Measures:** Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

**Unusual Fire Hazards:** None.

**6. ACCIDENTAL RELEASE MEASURES**

**Containment/Clean up:** Observe all personal protection equipment recommendations described in Sections 5 and 8. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

**Note:** See section 8 for Personal Protective Equipment for Spills. Call (989) 496-5900, if additional information is required.

**7. HANDLING AND STORAGE**

Use with adequate ventilation. This material may form highly toxic vapors of trifluoropropionaldehyde if heated in air above 300 F (149 C). Provide ventilation to control vapor exposure (inhalation guidelines have not been established). Product evolves acetic acid (HOAc) when exposed to water or humid air. Provide ventilation during use to control HOAc within exposure guidelines or use respiratory protection. Avoid eye contact. Do not get on skin. Avoid breathing vapor. Keep container closed. Do not take internally.

Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Component Exposure Limits**

<u>CAS Number</u>	<u>Component Name</u>	<u>Exposure Limits</u>
4130-08-9	Vinyltriacetoxysilane	See acetic acid comments.

Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm.

**Engineering Controls**

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Local Ventilation: Recommended.  
General Ventilation: Recommended.

**Personal Protective Equipment for Routine Handling**

Eyes: Use chemical worker's goggles.

Skin: Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

Suitable Gloves: Avoid skin contact by implementing good industrial hygiene practices and procedures. Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.

Inhalation: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

Suitable Respirator: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

**Personal Protective Equipment for Spills**

Eyes: Use full face respirator.

Skin: Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

Inhalation/Suitable Respirator: Respiratory protection recommended. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MHSA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Precautionary Measures: Avoid eye contact. Do not get on skin. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.

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Comments: This material may form highly toxic vapors of trifluoropropionaldehyde if heated in air above 300 F (149 C). Provide ventilation to control vapor exposure (inhalation guidelines have not been established). Product evolves acetic acid (HOAc) when exposed to water or humid air. Provide ventilation during use to control HOAc within exposure guidelines or use respiratory protection.

When heated to temperatures above 180 degrees C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin, and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure Limit for formaldehyde.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical Form: Paste  
 Color: White  
 Odor: Acetic acid odor  
 Specific Gravity @ 25°C: 1.41  
 Viscosity: Not determined.  
 Freezing/Melting Point: Not determined.  
 Boiling Point: Not determined.  
 Vapor Pressure @ 25°C: Not determined.  
 Vapor Density: Not determined.  
 Solubility in Water: Not determined.  
 pH: Not determined.  
 Volatile Content: < 5 %  
 Flash Point: > 214 °F / > 101.1 °C (Closed Cup)  
 Autoignition Temperature: Not determined.  
 Flammability Limits in Air: Not determined.

Note: The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

**10. STABILITY AND REACTIVITY**

Chemical Stability: Stable.

Hazardous Polymerization: Hazardous polymerization will not occur.

Conditions to Avoid: None.

Materials to Avoid: Oxidizing material can cause a reaction. Water, moisture, or humid air can cause hazardous vapors to form as described in Section 8.

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Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. Metal oxides. Fluorine compounds. Nitrogen oxides.

**11. TOXICOLOGICAL INFORMATION**

Component Toxicology Information

This material may form highly toxic vapors of Trifluoropropionaldehyde if heated in air above 300 (degrees) F (149 degrees C). Provide ventilation to control vapor exposure (inhalation guidelines have not been established).

This material may form highly toxic vapors of Trifluoropropionaldehyde if heated in air above 300 (degrees) F (149 degrees C). Provide ventilation to control vapor exposure (inhalation guidelines have not been established).

Special Hazard Information on Components

No known applicable information.

**12. ECOLOGICAL INFORMATION**

Environmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	<=1	>1 and <=100	>100
Acute Terrestrial Toxicity	<=100	>100 and <= 2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

**13. DISPOSAL CONSIDERATIONS**

**DOW CORNING(R) 730 SOLVENT RESISTANT SEALANT****RCRA Hazard Class (40 CFR 261)**

When a decision is made to discard this material, as received, is it classified as a hazardous waste? No

State or local laws may impose additional regulatory requirements regarding disposal. Call (989) 496-6315, if additional information is required.

**14. TRANSPORT INFORMATION****DOT Road Shipment Information (49 CFR 172.101)**

Proper Shipping Name: Corrosive solid, acidic, organic, n.o.s.

Hazard Technical Name: Acetoxysilane

Hazard Class: 8

UN/NA Number: UN 3261

Packing Group: III

Hazard Label(s): Corrosive

**Ocean Shipment (IMDG)**

Proper Shipping Name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

Hazard Technical Name: Acetoxysilane

Hazard Class: 8

UN/NA Number: UN 3261

Packing Group: III

Hazard Label(s): corrosive

**Air Shipment (IATA)**

Proper Shipping Name: Corrosive solid, acidic, organic, n.o.s.

Hazard Technical Name: Acetoxysilane

Hazard Class: 8

UN/NA Number: UN 3261

Packing Group: III

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Hazard Label(s): Corrosive

Call Dow Corning Transportation, (989) 496-8577, if additional information is required.

## 15. REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**EPA SARA Title III Chemical Listings****Section 302 Extremely Hazardous Substances (40 CFR 355):**

None.

**Section 304 CERCLA Hazardous Substances (40 CFR 302):**

None.

**Section 311/312 Hazard Class (40 CFR 370):**Acute: Yes  
Chronic: No  
Fire: No  
Pressure: No  
Reactive: No**Section 313 Toxic Chemicals (40 CFR 372):**

None present or none present in regulated quantities.

Note: Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.

**Supplemental State Compliance Information****California**

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None known.

**Massachusetts**

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
13463-67-7	5.0 - 10.0	Titanium dioxide



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## New Jersey

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
68607-77-2	> 60.0	Trifluoropropylmethyl siloxane, hydroxy-terminated
68909-20-6	7.0 - 13.0	Trimethylated silica
13463-67-7	5.0 - 10.0	Titanium dioxide
4130-08-9	5.0 - 10.0	Vinyltriacetoxysilane
429-67-4	1.0 - 5.0	Trifluoropropyl methyl cyclotetrasiloxane
None	1.0 - 5.0	Trifluoropropylmethyl cyclopentasiloxane and higher

## Pennsylvania

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
68607-77-2	> 60.0	Trifluoropropylmethyl siloxane, hydroxy-terminated
68909-20-6	7.0 - 13.0	Trimethylated silica
13463-67-7	5.0 - 10.0	Titanium dioxide
4130-08-9	5.0 - 10.0	Vinyltriacetoxysilane

## 16. OTHER INFORMATION

Prepared by: Dow Corning Corporation

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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