

**DOW CORNING CORPORATION  
Material Safety Data Sheet****DOW CORNING(R) 756 SMS BUILDING SEALANT WHITE****1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY**

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.: 04040401

Revision Date: 2003/08/15

Generic Description: Silicone Sealant  
Physical Form: Paste  
Color: White to off-white  
Odor: Alcoholic odor

NFPA Profile: Health 2 Flammability 1 Instability/Reactivity 0

Note: NFPA = National Fire Protection Association

**2. OSHA HAZARDOUS COMPONENTS**

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
PMN871176	<=42.0	Dimethyl siloxane, trimethoxysilyl-terminated
16753-62-1	1.0 - 5.0	Methylvinyl dimethoxysilane
156145-66-3	1.0 - 5.0	Methylvinyl di(MIBKO)silane
279250-16-7	1.0 - 5.0	Methylacetoacetate t-butanol titanium complexes

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

**3. EFFECTS OF OVEREXPOSURE**Acute Effects

**Eye:** Direct contact may cause moderate irritation. Vapor may cause eye irritation.

**Skin:** May cause moderate irritation. Overexposure may cause drowsiness, dizziness, confusion or loss of coordination due to skin absorption.

**Inhalation:** Vapor and/or mist may irritate nose and throat. Vapor overexposure may cause drowsiness.

**Oral:** May cause vomiting. Overexposure by ingestion may cause drowsiness, dizziness, confusion or loss of coordination.

Prolonged/Repeated Exposure Effects

**Skin:** Overexposure may injure internally if absorbed. Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis.

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Inhalation: Overexposure by inhalation may injure the following organ(s):Blood. Testes.

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

**4. FIRST AID MEASURES**

Eye: Immediately flush with water for 15 minutes. Get medical attention.

Skin: Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.

Inhalation: Remove to fresh air. Get medical attention if ill effects persist.

Oral: Get immediate medical attention.

Comments: Treat same as methyl alcohol poisoning.

**5. FIRE FIGHTING MEASURES**

Flash Point: Not applicable.

Autoignition Temperature: Not applicable.

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.

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.

Hazardous Decomposition Products

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

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**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 some silicone 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 Dow Corning Corporation, (989) 496-5900, if additional information is required.

**7. HANDLING AND STORAGE**

Use with adequate ventilation. Product evolves flammable methyl alcohol when exposed to water or humid air. Provide ventilation during use to control exposure within Section 8 guidelines or use air-supplied or self-contained breathing apparatus. Product evolves methyl isobutyl ketoxime (MIBKO) when exposed to water or humid air. Use respiratory protection and/or provide ventilation during use to control methyl isobutyl ketoxime (MIBKO) exposure. Avoid eye exposure. Avoid skin contact. Do not take internally. Avoid breathing vapor, mist, dust, or fumes. Keep container closed.

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>
PMN871176	Dimethyl siloxane, trimethoxysilyl-terminated	See methyl alcohol comments.
16753-62-1	Methylvinyl dimethoxysilane	See methyl alcohol comments.
156145-66-3	Methylvinyl di(MIBKO)silane	See methyl isobutyl ketoxime comments.
279250-16-7	Methylacetoacetate t-butanol titanium complexes	Observe titanium dioxide limits. OSHA PEL (final rule): TWA 15 mg/m <sup>3</sup> and ACGIH TLV: TWA 10 mg/m <sup>3</sup> .

Methyl alcohol forms on contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 200 ppm and ACGIH TLV-skin: TWA 200 ppm, STEL 250 ppm. Methyl isobutyl ketoxime is formed upon contact with water or humid air. Provide adequate ventilation to control exposures. Exposure limits have not yet been established.

**Engineering Controls**

Local Ventilation: Recommended.

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General Ventilation: Recommended.

**Personal Protective Equipment for Routine Handling**

Eyes: Use chemical worker's goggles.

Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Suitable Gloves: Butyl Rubber. Nitrile Rubber.

Inhalation: Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

Suitable Respirator: Organic vapor respirator for overexposures to vapors. As a minimum in situations where there is a potential for airborne misting or aerosolization use a full-face air purifying respirator equipped with combination organic vapor/dust-mist cartridges. Industrial hygiene personnel can assist with the selection of specific respirators.

**Personal Protective Equipment for Spills**

Eyes: Use full face respirator.

Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Inhalation/Suitable Respirator: Organic vapor respirator for overexposures to vapors. As a minimum in situations where there is a potential for airborne misting or aerosolization use a full-face air purifying respirator equipped with combination organic vapor/dust-mist cartridges. Industrial hygiene personnel can assist with the selection of specific respirators.

Precautionary Measures: Avoid eye exposure. Avoid skin contact. Do not take internally. Avoid breathing vapor, mist, dust, or fumes. Keep container closed. Use reasonable care.

Comments: Product evolves flammable methyl alcohol when exposed to water or humid air. Provide ventilation during use to control exposure within Section 8 guidelines or use air-supplied or self-contained breathing apparatus. Product evolves methyl isobutyl ketoxime (MIBKO) when exposed to water or humid air. Use respiratory protection and/or provide ventilation during use to control methyl isobutyl ketoxime (MIBKO) exposure.

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 to off-white

Odor: Alcoholic odor

Specific Gravity @ 25°C: 1.43

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Viscosity:  
 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:

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.

**11. TOXICOLOGICAL INFORMATION****Component Toxicology Information**

May produce blood effects, reducing the bloods' ability to transport oxygen (methemoglobinemia and anemia).

**Special Hazard Information on Components****Reproductive Effects**

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>	
156145-66-3	1.0 - 5.0	Methylvinyl di(MIBKO)silane	May cause reproductive effects in humans based on animal data.

**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.

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## 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****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 Dow Corning Corporate Environmental Management, (989) 496-6315, if additional information is required.

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

Not subject to DOT.

**Ocean Shipment (IMDG)**

Not subject to IMDG code.

**Air Shipment (IATA)**

Not subject to IATA regulations.

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:**

None.

**Section 304 CERCLA Hazardous Substances:**

None.

**DOW CORNING(R) 756 SMS BUILDING SEALANT WHITE****Section 312 Hazard Class:**

Acute: Yes  
Chronic: Yes  
Fire: No  
Pressure: No  
Reactive: No

**Section 313 Toxic Chemicals:**

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
69991-68-0	<=1.1	Antimony chromium manganese titanium brown rutile

**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>
471-34-1	40.0 - 70.0	Calcium carbonate
1333-86-4	<=2.5	Carbon black
13463-67-7	<=2.2	Titanium dioxide
1309-37-1	<=1.3	Iron oxide

**New Jersey**

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
471-34-1	40.0 - 70.0	Calcium carbonate
PMN871176	<=42.0	Dimethyl siloxane, trimethoxysilyl-terminated
1333-86-4	<=2.5	Carbon black
70131-67-8	<=2.4	Dimethyl siloxane, hydroxy-terminated
156145-66-3	1.0 - 5.0	Methylvinyl di(MIBKO)silane

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16753-62-1	1.0 - 5.0	Methylvinyl dimethoxysilane
13463-67-7	<=2.2	Titanium dioxide
1309-37-1	<=1.3	Iron oxide
69991-68-0	<=1.1	Antimony chromium manganese titanium brown rutile

**Pennsylvania**

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>
471-34-1	40.0 - 70.0	Calcium carbonate
PMN871176	<=42.0	Dimethyl siloxane, trimethoxysilyl-terminated
1333-86-4	<=2.5	Carbon black
13463-67-7	<=2.2	Titanium dioxide
1309-37-1	<=1.3	Iron oxide
69991-68-0	<=1.1	Antimony chromium manganese titanium brown rutile

**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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