

MATERIAL SAFETY DATA SHEET

Company Name: DOW CORNING CORP.
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MSDS Number: DC1C ;

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: DOW CORNING® TRADE MATE® SILICONE
 GLAZING SEALANT

HMIS Ratings:
NFPA Ratings:

Health: Moderate(2)
 Flammability: Slight(1)
 Instability/Reactivity: Minimal(0)

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
ETHYLTRIACETOXSILANE	17689-77-9	1.0 - 5.0	10 PPM 15 PPM	10 PPM			
Notes	THIS COMPONENT IS HAZARDOUS AS DEFINED IN 29 CFR 1910.1200.						
METHYLTRIACETOXSILANE	4253-34-3	1.0 - 5.0	10 PPM 15 PPM	10 PPM			
Notes	THIS COMPONENT IS HAZARDOUS AS DEFINED IN 29 CFR 1910.1200.						

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: ACUTE EFFECTS: DIRECT CONTACT MAY CAUSE MODERATE IRRITATION

Skin: ACUTE EFFECTS: MAY CAUSE MODERATE IRRITATION

Ingestion: ACUTE EFFECTS: LOW INGESTION HAZARD IN NORMAL USE.

Inhalation: ACUTE EFFECTS: IRRITATES RESPIRATORY PASSAGES VERY SLIGHTLY.

Signs and Symptoms of Exposure: NO KNOWN APPLICABLE INFORMATION.

IV. FIRST AID MEASURES

Eyes: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

Skin: REMOVE FROM SKIN AND WASH THOROUGHLY WITH SOAP AND WATER OR WATERLESS CLEANSER. GET MEDICAL ATTENTION IF IRRITATION OR OTHER ILL EFFECTS DEVELOP OR PERSIST.

Ingestion: NO FIRST AID NEEDED.

Inhalation: NO FIRST AID NEEDED.

Other: TREAT ACCORDING TO PERSON'S CONDITION AND SPECIFICS OF EXPOSURE.

V. FIRE FIGHTING MEASURES

NOT APPLICABLE

Flash Point:**Lower Flammability Limit:** NOT DETERMINED**Upper Flammability Limit:** NOT DETERMINED**Extinguishing Agents:** ON LARGE FIRES, USE DRY CHEMICAL, FOAM, OR WATER SPRAY. ON SMALL FIRES USE CARBON DIOXIDE (CO₂), DRY CHEMICAL OR WATER SPRAY. WATER CAN BE USED TO COOL FIRE EXPOSED CONTAINERS.**Unusual Fire or Explosion** NONE**Hazards:****Fire Fighting Procedures:** 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.**VI. ACCIDENTAL RELEASE MEASURES****Containment/Cleanup:** WIPE UP OR SCRAPE UP AND CONTAIN FOR SALVAGE OR DISPOSAL. OBSERVE ALL PERSONAL PROTECTION EQUIPMENT RECOMMENDATIONS. 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. 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.**VII. HANDLING AND STORAGE****Other:** USE WITH ADEQUATE VENTILATION. PRODUCT EVOLVES ACETIC ACID (HOAc) WHEN EXPOSED TO WATER OR HUMID AIR. PROVIDE VENTILATION DURING USE TO CONTROL HOAc WITHIN EXPOSURE GUIDELINES OR RESPIRATORY PROTECTION. AVOID EYE CONTACT. AVOID SKIN CONTACT. KEEP CONTAINER CLOSED AND STORE AWAY FROM WATER OR MOISTURE. DO NOT TAKE INTERNALLY. USE REASONABLE CARE AND STORE AWAY FROM OXIDIZING MATERIALS.**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION****Eyes:** USE PROPER PROTECTION – SAFETY GLASSES AS A MINIMUM.**Skin:** WASH AT MEALTIME AND END OF A SHIFT. CONTAMINATED CLOTHING AND SHOES SHOULD BE REMOVED AS SOON AS PRACTICAL AND THOROUGHLY CLEANED BEFORE REUSE. CHEMICAL PROTECTIVE GLOVES ARE RECOMMENDED: SILVER SHIELD (R). 4H(R).**Respiratory:** NO RESPIRATORY PROTECTION SHOULD BE NEEDED.**Engineering:** LOCAL AND GENERAL VENTILATION RECOMMENDED. 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.**Other:** PRECAUTIONARY MEASURES: AVOID EYE CONTACT. AVOID SKIN CONTACT. USE REASONABLE CARE.
NOTE: THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING. USE AT ELEVATED TEMPERATURE OR AEROSAL/SPRAY APPLICATIONS MAY

REQUIRE ADDED PRECAUTIONS.

WHEN HEATED TO TEMPERATURES ABOVE 150°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.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	COLORLESS PASTE
Boiling Point:	NOT DETERMINED
Freezing Point:	NOT DETERMINED
pH:	NOT DETERMINED
Solubility in Water:	NOT DETERMINED
Specific Gravity:	1.04 @ 77°F.25° C
Vapor Pressure:	NOT DETERMINED
Vapor Density:	NOT DETERMINED
Physical State:	PASTE
Volatile Content:	NOT DETERMINED

X. STABILITY AND REACTIVITY

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR.

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.

Incompatible Products: WATER, MOISTURE, OR HUMID AIR CAN CAUSE HAZARDOUS VAPORS TO FORM AS DESCRIBED. OXIDIZING MATERIAL CAN CAUSE A REACTION.

Conditions To Avoid: NONE

XI. TOXICOLOGICAL INFORMATION

Other: NO KNOWN APPLICABLE INFORMATION.

XII. ECOLOGICAL INFORMATION

Environmental Fate and Distribution: COMPLETE INFORMATION IS NOT YET AVAILABLE

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: 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.

XIV. TRANSPORT INFORMATION

D.O.T. Shipping Name: NOT SUBJECT TO DOT

XV. REGULATORY INFORMATION

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 SECTION 312 (HAZARD CLASS): ACUTE: YES

Listings:

California: PROP 65 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 AS BEING KNOWN TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: NONE KNOWN

Massachusetts: Chemical SILICA, AMORPHOUS CAS# 7631-86-9 % Wt. 10 – 30

New Jersey: Chemical DIMETHYL SILOXANE, HYDROXY-TERMINATED CAS# 70131-67-8 % Wt. >60
Chemical SILICA, AMORPHOUS CAS# 7631-86-9 % Wt. 10-30
Chemical METHYLTRIACTOXYSILANE CAS# 4253-34-3 % Wt. 1-5
Chemical ETHYLTRIACTOXYSILANE CAS# 17689-77-9 % Wt. 1-5

Pennsylvania: Chemical DIMETHYL SILOXANE, HYDROXY-TERMINATED CAS# 70131-67-8 % Wt. >60
Chemical SILICA, AMORPHOUS CAS# 7631-86-9 % Wt. 10-30

XVI. OTHER INFORMATION**WARRANTY INFORMATION**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, 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.