MATERIAL SAFETY DATA SHEET

PRODUCT # **AC-11600**

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Supplier name:	American Chemical, Inc.
Address:	2201 North 2nd Street Minneapolis, MN 55411
Phone:	(612) 374-1767
Emergency:	(812) 824-8000
Physical Form:	Paste
Generic Description:	Silicone Elastomer
Odor:	Vinegar-like odor (acetic acid)
Color:	Clear, White, Black, Blue, Bronze, Aluminum, Almond
Identity:	100% RTV Silicone Rubber Sealant
NFPA Profile:	Health – 2 Flammability – 1 Instability/Reactivity – 0

SECTION 2 – OSHA HAZARDOUS COMPONENTS

CAS Number
4253343
PMN871176
7429-90-5
17689-77-9
The above components are hazardous as defined in 29 CFR 1910.1200

SECTION 3 – EFFECTS OF OVEREXPOSURE

Acute Effects
Eye:
Skin:
Inhalation:
Oral:
Prolonged/Repeated Exposure Effects:
Skin:
Inhalation:
Oral:
Signs and Symptoms of Overexposure: No known applicable information
Medical Conditions Aggravated by Exposure:

SECTION 4 - FIRST AID MEASURES

Eye:	Immediately flush with water for 15 minutes.
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 medical attention.
Comments:	Treat according to person's condition and specifics of exposure.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point:	Not applicable
Auto-ignition 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_2), 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. Use Water spray to keep fire exposed containers cool. Determine the need to evaluate or isolate the area according to your local emergency plan.
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, nitrogen oxides, formaldehyde, metal oxides, sulfur oxides.

SECTION 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 absorbent 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 clean up 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.

SECTION 7 – HANDLING AND STORAGE

Use with adequate ventilation. Product evolves acetic acid (HOAc) when exposed to water or humid air. Provide ventilation during use. Product evolves flammable methylalcohol 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. Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally. Keep container closed and store away from water or moisture.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Component Exposure Limits

CAS Number	Component Name	Exposure Limits
17689-77-9	Ethyltriacetoxysilane	See Acetic Acid
	Comments	
4253-34-3	Methyltriacetoxysilane	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:

Local Ventilation:	Recommended
General Ventilation:	Recommended

Personal Protective Equipment for Routine Handling:

Eyes:	Use proper protection-safety glasses as a minimum.
Skin:	Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.
Suitable Gloves:	Butyl Rubber. Natural Rubber. Neoprene® Rubber. Nitrile Rubber. Silver Shield®
Inhalation:	No respiratory protection should be needed.
Suitable Respirator:	None should be needed.
Personal Protective Equipment for Spills:	
Eyes:	Use proper protection – safety glasses as a minimum.
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:	No respiratory protection should be needed.
Precautionary Measures:	Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.
Comments:	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 150ºC 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.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Paste
Odor:	Acetic acid odor
Specific Gravity @ 25°C:	1.032
Viscosity:	Not determined
Freezing/Melting Point:	Not determined
Boiling Point:	Not determined
Vapor Pressure @ 25ºC:	Not determined
Vapor Density:	Not determined
Solubility in Water:	Not determined
pH:	Not determined
Volatile content:	30 g/L

Note: The above information is not intended for use in preparing product specifications.

SECTION 10 – STABIITY AND REACTIVITY

Chemical Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None
Materials to Avoid:	Water, moisture, or humid air can cause hazardous vapors to form as described in Section 8. Oxidizing material can cause a reaction.

SECTION 11 – TOXICOLOGICAL INFORMATION

Component Toxicology Information:	No known applicable information.
Special Hazard Information on Components:	No known applicable information.

SECTION 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 data is listed above. Please read the other information presented in the section concerning the overall safety of this material.

SECTION 13 – DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40 CFR 261):	When a decision is made to discard this material, as received, it is classified as a hazardous waste? No. State or local laws may impose additional regulatory requirements regarding disposal.

SECTION 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.

SECTION 15 – REGULATORY INFORMATION

Contents of the 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 Substance:	None
Section 304 CERCLA Hazardous Substance:	None
Section 312 Hazard Class:	
Acute:	Yes
Chronic:	No
Fire:	No
Pressure:	No
Reactive:	No
Section 313 Toxic Chemicals:	None present or none present in regulated quantities.
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 reproduction harm. NONE KNOWN

Massachusetts:

CAS Number	Wt%	Component Name
7631-86-9	<=10.0	Silica, amorphous

New Jersey:

CAS Number	Wt%	Component Name
70131-67-8	<=85.0	Dimethyl siloxane, hydroxyl-terminated
7631-86-9	<=10.0	Silica, amorphous
4253-34-3	1.0-5.0	Methyltriacetoxysilane
17689-77-9	1.0-5.0	Ethyltriacetoxysilane

63148-62-9	1.0-5.0	Polydimethylsiloxane

Pennsylvania

CAS Number	Wt%	Component Name
70131-67-8	<=85.0	Dimethyl siloxane, hydroxyl-terminated
7631-86-9	<=10.0	Silica, amorphous

6/2006