



Materials Safety Data Sheet

Product: Silicone Sealant

Date of Issue: Mar. ,2015

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY												
Chemical Product: Silicone Sealant												
2. COMPOSITON / INFORMATION ON INGREDIENT												
Hazardous products:												
<table><thead><tr><th>CAS Number</th><th>Wt %</th><th>Component Name</th></tr></thead><tbody><tr><td>4253-34-3</td><td>1.0 - 5.0</td><td>Methyltriacetoxysilane</td></tr><tr><td>17689-77-9</td><td>1.0 - 5.0</td><td>Ethyltriacetoxysilane</td></tr><tr><td>64742-46-7</td><td><30.0</td><td>Distillates, petroleum, hydrotreated middle</td></tr></tbody></table>	CAS Number	Wt %	Component Name	4253-34-3	1.0 - 5.0	Methyltriacetoxysilane	17689-77-9	1.0 - 5.0	Ethyltriacetoxysilane	64742-46-7	<30.0	Distillates, petroleum, hydrotreated middle
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The above components are hazardous as defined in 29 CFR 1910.1200.												
3. HAZARDOUS IDENTIFICATION												
<u>Acute Effects:</u> Eye: Direct contact may cause moderate irritation. Skin: May cause moderate irritation. Inhalation: Irritates respiratory passages very slightly. Oral: Low ingestion hazard in normal use. <u>Prolonged/Repeated Exposure Effects</u> Eye No known applicable information. Inhalation: No known applicable information. Oral: No known applicable information. <u>Signs and Symptoms of Overexposure</u> No known applicable information. <u>Medical Conditions Aggravated by Exposure</u> 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 wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.												



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Oral:	No first aid should be needed.
Comments:	Treat according to person's condition and specifics of exposure.
Inhalation:	No first aid should be needed.

5. FIRE FIGHTING MEASURES

Flash Point:	Not applicable.
Autoignition	
Temperature:	Not determined.
Flammability Limits in	Not determined.
Air:	
Extinguishing Media:	On large fire use dry chemical, foam or water spay. On small fire use Carbon dioxide (CO2), dry chemical, foam or water spay. Water can be used to cool fire expose 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. Formaldehyde.

6. ACCIDENTAL RELEASE MEASURES

Containment/Clean up:

Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements. Wipe up or scrape up and contain for salvage or disposal. Observe all personal protection equipment recommendations described in Sections 5 and 8. 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.

7. HANDLING AND STORAGE

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 use respiratory protection. Avoid eye contact. Avoid skin contact. Keep container closed and store away from water or moisture.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION



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Component Exposure Limits

CAS Number	Component Name	Exposure Limits
4253-34-3	Methyltriacetoxysilane	See acetic acid comments.
17689-77-9	Ethyltriacetoxysilane	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. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.
Suitable Gloves: Silver Shield(R). 4H(R).
Inhalation: No respiratory protection should be needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Paste
Color: See product name
Specific Gravity: 0.97
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: Not determined.

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

10. STABILITY AND REACTIVITY



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

11. TOXICOLOGICAL INFORMATION

Special Hazard Information on Components

No known applicable information.

12. EFFECTS ON THE ENVIRONMENT

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	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

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.

14. TRANSPORT INFORMATION

Declaration for land shipment (ADR/RID):

Without restrictions.

Declaration for sea shipment (IMDG):

Without restrictions.

Declaration for shipment by air (ICAO-TI/IATA-DGR)

Without restrictions.



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Keep separated from foodstuffs

15. REGULATORY INFORMATION

No labeling is required in present situation.

16. Other information

This data complete the technical data sheet for use, but it doesn't replace it. The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements.

The data does not signify any warranty with regard to the products' properties.