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Product Name:

All Purpose Silicone Sealant

Printed, 2005-03-14

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product name

All Purpose Silicone Sealant

1.2 Manufacturer / Supplier

SELENA <u>USA</u>, Inc. 400 Northampton Street Suite 303 Easton, PA 18042 Pnone:1-610-330-6950 Fax:1-610-330-6953 e-mail: <u>info@selanaus.com</u> www.selena.pl

1.3 Generic description

enc description

Silicone elastomer

Physical Form Color

Paste Colorless

Odor

Acetic acid odor

NFPA Profile Health 2

Flammability

Instability/Reactivity 0

1.4 Department responsible for MSDS preparation

Product Marketing Dep. - Sealants

e-mail: sealants@selena.pl

1.5 Emergency telephone

610-330-6950

2.	OSHA HAZARDOUS COMPONENTS			
,	CAS Number	<u>Wt %</u>	Component name	
	17689-77-9	≤2%	triacetoxyethylsilane	
	4253-34-3	≤2%	methylsilanetriyl triacetate	
	64742-46-7	<i>≤26%</i>	distillates (petroleum), hydro-treated middle	
	64742-48-9	≤26%	Naphtha (petroleum), hydrotreated heavy	
The b	ove components are hazardo	us as defined in 29CFR 1	910.1200	

3. EFFECTS OF OVEREXPOSURE

Acute Effects

Eye

Direct contact may cause moderate irritation.

Skin

May cause moderate irritation.

Inhalation

Irritates respiratory passages very slightly.

Oral

No significant effects expected from a single short-term exposure.

Prolonged/Repeated Exposure Effects

Skin

No known applicable information

Inhalation

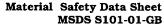
No known applicable information

Oral

No known applicable information

Signs and Symptoms of Overexposure

No known applicable information



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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

4.1 **Eyes**

Immediately flush with water for at least 15 minutes and get medical attention.

4.2 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.

4.3 Inhalation

No first aid should be needed. If necessary move person to fresh air.

4.4 Oral

No first aid should be needed.

4.5 Comments

Treat according to person's condition and specifics of exposure.

5. FIRE FIGHTING MEASURES

5.1 Flash point and method N/A

5.2 Upper flammable limit in air Not determined

Lower flammable limit in air Not determined

5.3 Autoignition temperature Not determined

5.4 Suitable Extinguishing Media

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.

5.5 Fire Fighting Measure's

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

5.6 Unusual Fire Hazards

None.

5.7 <u>Hazardous Decomposition Products.</u>

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. Silicon dioxide.

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 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 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 911, if additional information is required.

7. HANDLING AND STORAGE



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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.

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

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Component Exposure Limits

CAS Number

Component Name

Exposure Limits

17689-77-9

triacetoxyethylsilane

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 10ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm.

8.2 **Engineering Controls**

Local ventilation

Recommended

General ventilation

Recommended.

8.3 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.

Suitable Respirator

None should be needed.

8.4 Personal Protective Equipment for Spills

Eyes

Use proper protection - safety glasses as a minimum

Skir

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

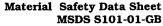
Precautionary Measures

Avoid eye contact. Avoid skin contact. 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 150 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 vapour concentrations within the OSHA Permissible Exposure Limit for formaldehyde.



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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 Clear

Odour Acetic acid odor

Specific Gravity @ 25°C 0.96

Viscosity Not determined Freezing/Melting Point Not determined **Boiling Point** Not determined Vapor Pressure @ 25°C Not determined Solubility in water Not determined pΗ Not determined Volatile Content Not determined

10. STABILITY AND REACTIVITY

10.1 **Chemical stability**

Stable

10.2 **Hazardous**

Hazardous polymerization will not occur.

10.3 Conditions to be avoided

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

Special Hazard Information on Components

N known applicable information.

ECOLOGICAL INFORMATION 12.

12.1 **Environmental Fate and Distribution**

Complete information is not yet available.

12.2 **Environmental Effects**

Complete information is not yet available.

12.3 Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

Ecotoxicity Classification Criteria

Leotoxicity Classification Official						
	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 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.



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14. TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101)

Not subjected to DOT

Ocean Shipment (IMDG)

Not subjected to IMDG code

Air Shipment (IATA)

Not subjected to IATA regulations.

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

Section 312 Hazard Class:

Acute: Yes

Chronic: No

Fire: No

1 11 G. 140

Pressure: No

Reactive: No

Section 313 Toxic Chemicals:

None present or none present in regulated quantities.



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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
CAS Number

<u>CAS Number</u> 7631-86-9	<u>Wt %</u> <=10.0	Component Name Silica, amorphous	
New Jersey			
CAS Number	Wt %	Component Name	
70131-67-8	<=87.0	Dimethyl siloxane, hydroxyl- terminated	
7631-86-9	<=10.0	Silica, amorphous	
64742-46-7	<=25	distillates (petroleum), hydro- treated middle	
17689-77-9	≤2%	triacetoxyethylsilane	
Pennsylvania			
CAS Number	Wt %	Component Name	
70131-67-8	<=87.0	Dimethyl siloxane, hydroxyl- terminated	
7631-86-9	<=10.0	Silica, amorphous	

16. OTHER INFORMATION

Prepared by: Selena Co SA

See the product label and information about application placed on

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