



Revision Date 15-Feb-2006

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 91783
Product name Black Silicone Rubber
Recommended Use Adhesive / Sealant
Supplier Lawson Products, Inc.
 1666 East Touhy Avenue
 Des Plaines, IL 60018
 (847)-827-9666

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Irritant.

Color Black

Odor Acetone-like

Form Liquid

Aggravated Medical Conditions None Known.

Principal Routes of Exposure Eyes. Skin. Inhalation.

Potential health effects

Eyes Direct contact may cause the following effects. Moderately irritating to the eyes.

Skin May cause the following effects: . Moderate irritation.

Inhalation No adverse affects expected. Prolonged overexposure may cause. Central nervous system depression. Drowsiness . Dizziness. Confusion. Loss of coordination.

Ingestion Small amounts transferred to the mouth through use should not be harmful. Swallowing large amounts may be harmful.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Ethyltriacetoxysilane	17689-77-9	1-5
Methyltriacetoxysilane	4253-34-3	1-5

4. FIRST AID MEASURES

Eye contact	Flush with plenty of water for at least 15 minutes. Seek medical attention.
Skin contact	Wash area thoroughly with soap and water. Seek medical attention if irritation persists.
Ingestion	Seek medical attention.
Inhalation	Remove to fresh air. Seek medical attention.
Notes to physician	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash point °C	> 100
Flash point °F	> 212
Method	Closed cup
Autoignition temperature °C	Not Applicable
Autoignition temperature °F	Not Applicable
Flammability Limits (% in Air)	
Upper	Not Applicable
Lower	Not Applicable

Suitable extinguishing media
Dry chemical. Foam. Water spray. Carbon dioxide (CO₂). Water.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Special Fire-Fighting Procedures

Evacuate area of unprotected and unnecessary personnel .

Specific hazards

When heated to temperatures above 300 degrees F in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and known skin and respiratory sensitizer. Safe handling conditions may be maintained by keeping

Fire and Explosion Hazards

Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat .

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Wipe or scrape up and dispose of spill. Use caution as spill may create a slip hazard. Clean area with detergent and water after spill removal. Dispose of absorbent in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

Handling

Ensure adequate ventilation. Avoid contact with skin and eyes. Vapors harmful. Do not take internally. Keep container closed when not in use.

Storage

Prevent moist air from entering storage tanks or containers. Keep tightly closed in a dry and cool place. Do not store near oxidizers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Ethyltriacetoxysilane	-	10 mg/m ³ (dust)	-	15 ppm
Methyltriacetoxysilane	-	ND	-	ND

Ventilation and Environmental Controls

Local: recommended. General: recommended.

Hygiene measures

Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.

Personal protective equipment

Respiratory protection

None necessary under normal conditions. If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended.

Hand Protection

Butyl rubber gloves. Nitrile gloves.

Eye protection

ANSI approved safety glasses are recommended when accidental eye contact is possible.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid	Color	Black
Odor	Acetone-like	Odor Threshold	Not Applicable
pH	Not Applicable	Specific Gravity	1.007
Vapor pressure	Not Applicable	Vapor density	Not Applicable
Evaporation Rate	Not Applicable	VOC Content	30 gm/ltr
Water solubility	No data available	Partition Coefficient (n-octanol/water)	Not Applicable
Boiling point/range °C	Not Applicable	Boiling point/range °F	Not Applicable
Melting point/range °C	Not Applicable	Melting point/range °F	Not Applicable

Flash point °C

> 100

Flash point °F

> 212

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

Do not expose to air or moisture until ready to use. Avoid heat. > 300F.

Incompatibility

Incompatible with oxidizing agents. Humid air. Moisture.

Hazardous Decomposition Products

When heated beyond normal or when burned, this product will liberate forms of: Incompletely burned carbon products. Carbon oxides. Silicone dioxide. Formaldehyde. Oxides of metal. Nitrogen oxides (NOx). Sulfur oxides. Chlorides.

Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
<i>Ethyltriacetoxysilane</i> 17689-77-9	-	-	-
<i>Methyltriacetoxysilane</i> 4253-34-3	2060 mg/kg	-	-

Synergistic Products

None known

Potential health effects

Sensitization

None known .

Mutagenic effects

None known .

Reproductive toxicity

None known .

Carcinogenic effects

See table below

Chronic toxicity

None known .

Teratogenic effects

None known .

Target Organ Effects

None Known.

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Ethyltriacetoxysilane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Methyltriacetoxysilane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Other adverse effects

Initial symptoms of metal fume fever can include sweating, shivering, headache, fever, chills, thirstiness, muscle and joint aches, nausea, vomiting, weakness, tiredness and a blue tinge to the skin .

12. ECOLOGICAL INFORMATION

No Information Available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Dispose in accordance with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT

Not Regulated

TDG

Not Regulated

IMDG/IMO

Not Regulated

IATA

Not Regulated

MEX

Not Regulated

15. REGULATORY INFORMATION

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Ethyltriacetoxysilane	Not Listed	Not Listed	Not Listed
Methyltriacetoxysilane	Not Listed	Not Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Ethyltriacetoxysilane	X	X	-	X
Methyltriacetoxysilane	X	X	-	X

CPRC

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

NFPA		HMIS	
Health	2	Health	-
Flammability	1	Flammability	-
Reactivity	0	Physical Hazard	-

Prepared By

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.