

Material Safety Data Sheet

Revision Date 16-May-2013

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 91784
Product name Flexseal RTV Silicone - Clear
Recommended Use Adhesive / Sealant

Supplier Lawson Products, Inc.
 8770 W.Bryn Mawr Ave.- Suite 900
 Chicago, IL 60631
 1-866-529-7664

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
Irritant.

Aggravated Medical Conditions
None Known.

Principal Routes of Exposure
Eyes. Skin. Inhalation. Ingestion.

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 Respiratory irritation.

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Dimethyl Siloxane Hydroxy Terminated	70131-67-8	70-90
Silicon Dioxide - hydrated	7631-86-9	7-13
Petroleum distillates, hydrotreated middle	64742-46-7	7
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 No specific treatment is necessary since this material is not likely to be hazardous by ingestion.

Inhalation No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

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 No data available
Lower No data available

Suitable extinguishing media

Dry chemical powder. 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

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.

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. Protect contents from moisture. 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.

NFPA Storage Code

Unknown

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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
Silicon Dioxide - hydrated	15 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction)	10 ppm	10 mg/m ³ (total dust)	ND
Dimethyl Siloxane Hydroxy Terminated	-	-	-	-
Petroleum distillates, hydrotreated middle	-	-	-	-

Ventilation and Environmental Controls

Normal ventilation is adequate. General: recommended.

Hygiene measures

General industrial hygiene practice. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

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. Neoprene 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

Other Protective Equipment

A safety shower and eye wash station should be available for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Color	Various
Odor	Vinegar-like
Odor Threshold	Not Applicable
pH	Not Applicable
Specific Gravity	1.02
Vapor pressure	Not Applicable
Vapor density	Not Applicable
Evaporation Rate	Not Applicable
Water solubility	No data available
Partition Coefficient (n-octanol/water)	Not Applicable
Boiling point/range °C	> 100
Boiling point/range °F	> 212
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

Will not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Ethyltriacetoxysilane 17689-77-9	-	-	-
Methyltriacetoxysilane 4253-34-3	-	-	-
Silicon Dioxide - hydrated 7631-86-9	5000 mg/kg	2000 mg/kg	2.2 mg/L

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Dimethyl Siloxane Hydroxy Terminated 70131-67-8	-	16 mL/kg	8750 mg/m ³
Petroleum distillates, hydrotreated middle 64742-46-7	7400 mg/kg	2000 mg/kg	4.6 mg/L

Synergistic Products None known

Potential health effects

Sensitization None known .

Chronic toxicity None known .

Mutagenic effects None known .

Teratogenic effects None known .

Reproductive toxicity None known .

Target Organ Effects None Known.

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 .

Carcinogenic effects See table below

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
Silicon Dioxide - hydrated	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Dimethyl Siloxane Hydroxy Terminated	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated middle	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Silicon Dioxide - hydrated

Water Flea Data

Ceriodaphnia dubia EC50=7600 mg/L (48 h)

13. DISPOSAL CONSIDERATIONS

Disposal Information

Product is not a hazardous waste. Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

DOT

Not Regulated

TDG

Not Regulated

15. REGULATORY INFORMATION

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Ethyltriacetoxysilane	Not Listed	Not Listed	Not Listed
Methyltriacetoxysilane	Not Listed	Not Listed	Not Listed
Silicon Dioxide - hydrated	Listed	Listed	Not Listed
Dimethyl Siloxane Hydroxy Terminated	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated middle	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Ethyltriacetoxysilane	X	X	-	X
Methyltriacetoxysilane	X	X	-	X
Silicon Dioxide - hydrated	X	X	-	X
Dimethyl Siloxane Hydroxy Terminated	-	X	-	X
Petroleum distillates, hydrotreated middle	X	X	-	X

CPR

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

Product code **91784**

Product name **Flexseal RTV
Silicone - Clear**

16. OTHER INFORMATION

NFPA

Health - 2

Flammability - 1

Reactivity - 0

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.