



# Material Safety Data Sheet

Revision Date 11-Apr-2014

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product code** 64654  
**Product name** Flexseal, Aluminum RTV Sealant  
**Recommended Use** 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**  
Irritating to eyes. Irritating to skin.

**Aggravated Medical Conditions**  
None Known.

**Principal Routes of Exposure**  
Eyes. Inhalation.

### Potential health effects

**Eyes** Irritating to eyes. Pain. Watery eyes. Redness.  
**Skin** Skin Irritation. Redness.  
**Inhalation** May cause irritation of respiratory tract.  
**Ingestion** Irritating to mouth, throat and stomach.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Dimethyl Siloxane Hydroxy Terminated	70131-67-8	60-100
Silicon Dioxide - hydrated	7631-86-9	7-13
Petroleum distillates, hydrotreated middle	64742-46-7	3-7
1,1-Difluoroethane	75-37-6	1-5
Ethyltriacetoxysilane	17689-77-9	1-5
Methyltriacetoxysilane	4253-34-3	1-5

## 4. FIRST AID MEASURES

**Eye contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention..

**Skin contact** Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse. .

**Ingestion** Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband..

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. .

**5. FIRE FIGHTING MEASURES**

**Flash point °C** > 100 C  
**Flash point °F** > 212 F  
**Method** Closed cup

**Autoignition temperature °C** No data available  
**Autoignition temperature °F** No data available

Product code **64654**

Product name **Flexseal,  
Aluminum RTV Sealant**

**Flammability Limits (% in Air)**

**Upper** No data available  
**Lower** No data available

**Suitable extinguishing media**

Water. Water fog. Carbon dioxide (CO2). Dry chemical. Foam. Water spray.

**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.

**Fire and Explosion Hazards**

None known. Thermal decomposition can lead to release of irritating gases and vapors.

**Sensitivity to shock**

No information available.

**Sensitivity to static discharge**

No information available.

**6. ACCIDENTAL RELEASE MEASURES**

**Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)..

**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. Soak up with inert absorbent material. Place in non-leaking, tightly sealed container for proper disposal. Clean area with detergent and water after spill removal. Use caution as spill may create a slip hazard. Dispose in accordance with local, state and federal regulations.

**Clean-up methods - small spill**

Move containers from spill area. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor..

**Clean-up methods - large spill**

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Do not dry sweep. Dispose of via a licensed waste disposal contractor..

**7. HANDLING AND STORAGE**

**Handling**

Avoid contact with skin and eyes. Do not handle contact lenses until all sealant has been cleaned from the fingertips, nails, and cuticles. Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities. Ensure adequate ventilation. If container is an aerosol product: Propellant remains in can during and after normal use and is not expelled with product. DO NOT remove rubber plug from bottom of container..

**Storage**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination..

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Methyltriacetoxysilane	-	ND	-	ND
Silicon Dioxide - hydrated	15 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable fraction)	10 ppm	10 mg/m <sup>3</sup> (total dust)	ND
Ethyltriacetoxysilane	-	10 mg/m <sup>3</sup> (dust)	-	15 ppm
Dimethyl Siloxane Hydroxy Terminated	-	-	-	-
Petroleum distillates, hydrotreated middle	-	-	-	-
1,1-Difluoroethane	-	-	-	-

**Ventilation and Environmental Controls**

Use in a well ventilated area.

**Hygiene measures**

Wash hands before breaks and immediately after handling the product.

**Respiratory protection**

None necessary under normal conditions.

**Hand Protection**

Cotton gloves.

**Eye protection**

Safety glasses with side-shields.

**Skin and body protection**

None necessary under normal conditions

**Other Protective Equipment**

An eye wash station should be available.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form** Paste  
**Color** Various  
**Odor** Vinegar-like  
**Odor Threshold** No information available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

pH	Not Applicable
Specific Gravity	1.007
Vapor pressure	Not Applicable
Vapor density	Not Applicable
Evaporation Rate	No data available
Water solubility	Insoluble
VOC Content	<3%
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	Not Applicable
Boiling point/range °F	Not Applicable
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	> 100 C
Flash point °F	> 212 F

**10. STABILITY AND REACTIVITY****Stability**

Stable.

**Conditions to avoid**

None known.

**Incompatibility**

Oxidizers. Humid air. Moisture.

**Hazardous Decomposition Products**

Carbon dioxide. Silicone dioxide. Sulfur oxides. Carbon oxides. Iodine compounds. Formaldehyde. Incompletely burned carbon products.

**Polymerization**

Will not occur.

**11. TOXICOLOGICAL INFORMATION****Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Methyltriacetoxysilane 4253-34-3	-	-	-
Silicon Dioxide - hydrated 7631-86-9	5000 mg/kg	2000 mg/kg	2.2 mg/L
Ethyltriacetoxysilane 17689-77-9	-	-	-
Dimethyl Siloxane Hydroxy Terminated 70131-67-8	-	16 mL/kg	8750 mg/m <sup>3</sup>
Petroleum distillates, hydrotreated middle 64742-46-7	7400 mg/kg	2000 mg/kg	4.6 mg/L

1,1-Difluoroethane 75-37-6	-	-	-
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**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** See Section 2**Carcinogenic effects** See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Methyltriacetoxysilane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Silicon Dioxide - hydrated	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Ethyltriacetoxysilane	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
1,1-Difluoroethane	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)**Ecotoxicity effects** No information available**13. DISPOSAL CONSIDERATIONS**

**13. DISPOSAL CONSIDERATIONS****Disposal Information**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. .

**14. TRANSPORTATION INFORMATION****DOT**

Consumer commodity, ORM-D.

**TDG**

Consumer commodity, ORM-D.

**15. REGULATORY INFORMATION****State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Methyltriacetoxysilane	Not Listed	Not Listed	Not Listed
Silicon Dioxide - hydrated	Listed	Listed	Not Listed
Ethyltriacetoxysilane	Not Listed	Not Listed	Not Listed
Dimethyl Siloxane Hydroxy Terminated	Not Listed	Not Listed	Not Listed
Petroleum distillates, hydrotreated middle	Not Listed	Not Listed	Not Listed
1,1-Difluoroethane	Listed	Not Listed	Not Listed

**International Inventories**

Chemical Name	EINECS	DSL	NDSL	TSCA
Methyltriacetoxysilane	X	X	-	X
Silicon Dioxide - hydrated	X	X	-	X
Ethyltriacetoxysilane	X	X	-	X
Dimethyl Siloxane Hydroxy Terminated	-	X	-	X
Petroleum distillates, hydrotreated middle	X	X	-	X
1,1-Difluoroethane	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****HMIS**

**Health - 2**  
**Flammability - 1**  
**Physical Hazard - 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.