



SAFETY DATA SHEET

This safety data sheet complies with the requirements of: GB/T 17519-2013

Issue Date 30-Aug-2023

Revision Date 30-Aug-2023

Version 1

Product identifier

Product Name 100% Silicone Skylight Coating

Other means of identification

Product Code LUCAS 8900

Synonyms SEALANT

Recommended use of the chemical and restrictions on use

Recommended Use Reflective Roof Coating.

Uses advised against N/A

Details of the supplier of the safety data sheet

Manufacturer Address R.M. Lucas Company
12400 South Laramie Ave
Alsip, Illinois 60803
(773) 523-4300

Emergency telephone number

Emergency Telephone Call CHEMTREC Day or Night:
Within USA and Canada: 1-800 424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

Emergency Overview

Appearance N/A	Physical state Liquid	Odor Peppermint
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Precautionary Statements - Disposal

Disposal should be in accordance with applicable local, regional, national and international laws and regulations.

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Unknown acute toxicity 35% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No.	Weight-%	Trade Secret
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Dimethyl siloxane, hydroxy-terminated	70131-67-8	90 - 100%	*
Vinyltrimethoxysilane	2768-02-7	0 - 10%	*
Methyl Tris (MEKO) Silane	22984-54-9	0 - 10%	*

4. FIRST AID MEASURES

Description of first aid measures

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Inhalation	Remove to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms N/A.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Water.

Specific hazards arising from the chemical

N/A.

Explosion data

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge Not sensitive.

Protective equipment and precautions for firefighters

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up the absorbed material (described just above) and transfer to properly labeled containers for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Guidelines****Appropriate engineering controls**

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection No special technical protective measures are necessary.

Skin and body protection No special technical protective measures are necessary.

Respiratory protection If exposure limits are exceeded or irritation is experienced, a NIOSH/MSHA approved respiratory protection should be worn.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	Liquid	Odor	Peppermint
Appearance	N/A	Odor threshold	N/A
Color	N/A		

Property**Values****Remarks • Method**

pH	Not applicable	
Melting point/freezing point	None / -94	
Boiling point / boiling range	> 100 > 212	
Flash point	>100 >212	
Evaporation rate	N/A	
Flammability (solid, gas)	NOT DETERMINED	
Flammability Limit in Air		For exterior use only. Do not use indoors.
Upper flammability limit:	Non-Flammable	
Lower flammability limit:	Non-Flammable	
Vapor pressure	Not Determined	
Vapor density	Not Determined	
Specific Gravity	0.98 8.2 LB/GAL	
Water solubility	N/A	
Solubility in other solvents	Soluble in aromatic and aliphatic solvents.	
Partition coefficient	Undetermined	
Autoignition temperature	>300 C 626	
Decomposition temperature	Not Determined	
Kinematic viscosity	Undetermined	
Dynamic viscosity	30,000 cps	

Explosive properties N/A
Oxidizing properties N/A

Other Information

Softening point Not applicable
Molecular weight N/A
VOC Content (%) N/A
Density 8.2
Bulk density Not applicable

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information No data available.

Inhalation No data available.

Eye contact No data available.

Skin contact No data available.

Ingestion No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethyl siloxane, hydroxy-terminated 70131-67-8	> 15400 mg/kg (Rat)	> 16 mL/kg (Rabbit)	> 8750 mg/m ³ (Rat) 7 h
Vinyltrimethoxysilane 2768-02-7	= 7340 µL/kg (Rat)	= 3360 µL/kg (Rabbit)	-

Information on toxicological effects

Symptoms N/A.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization N/A.
Germ cell mutagenicity N/A.
Carcinogenicity The table below indicates whether each agency (ACGIH, IARC, NTP, or OSHA) has listed

	any ingredient as a carcinogen.
Reproductive toxicity	N/A.
STOT - single exposure	N/A.
STOT - repeated exposure	N/A.
Aspiration hazard	N/A.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document For exterior use only. Do not use indoors.

ATEmix (oral)	16,736.50
ATEmix (dermal)	16,849.76

12. ECOLOGICAL INFORMATION**Ecotoxicity**

14.75% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Vinyltrimethoxysilane 2768-02-7	-	191: 96 h Oncorhynchus mykiss mg/L LC50 not specified	-

Persistence and degradability

N/A.

Bioaccumulation

N/A.

Other adverse effects

N/A

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes Disposal should be in accordance with applicable local, regional, national and international laws and regulations.

Contaminated packaging Do not reuse container.

14. TRANSPORT INFORMATION

DOT Not regulated.

TDG Not regulated.

MEX Not regulated.

ICAO (air) Not regulated.

IATA Not regulated.

IMDG Not regulated.

RID Not regulated.

ADR Not regulated.

ADN Not regulated.

15. REGULATORY INFORMATION

International Inventories

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazards 1	Flammability 1	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 1	Flammability 1	Physical hazards 0	Personal protection X

Prepared By	Prepared by Steve Velten
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Revision Note	
N/A	

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage,

transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet