

Revision Date 02-Dec-2024

Version 1

## 1. Identification

### Product identifier

Product Name 100% Silicone Skylight Coating

### Other means of identification

Product Code LUCAS 8900

Synonyms Clear Coating

### Recommended use of the chemical and restrictions on use

Recommended Use Reflective Roof Coating

Restrictions on use N/A

### Details of the supplier of the safety data sheet

#### Supplier Address

#### 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. Hazard(s) identification

### Classification

|                    |            |
|--------------------|------------|
| Skin sensitization | Category 1 |
|--------------------|------------|

### Hazards not otherwise classified (HNOC)

Not applicable.

### Label elements



Warning

### Hazard statements

May cause an allergic skin reaction.

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves.

IF ON SKIN: Wash with plenty of water and soap.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Other Information**

May be harmful in contact with skin.

**3. Composition/information on ingredients****Substance**

Not applicable.

**Mixture**

**Synonyms** Clear Coating.

| Chemical name                         | CAS No.    | Weight-% | Trade secret |
|---------------------------------------|------------|----------|--------------|
| Dimethyl siloxane, hydroxy-terminated | 70131-67-8 | 80-95    | *            |
| Methyl Tris (MEKO) Silane             | 22984-54-9 | 0-5      | *            |
| Vinyltrimethoxysilane                 | 2768-02-7  | 0-2      | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First-aid measures****Description of first aid measures**

**General advice** Show this safety data sheet to the doctor in attendance.

**Inhalation** Remove to fresh air.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact** Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

**Ingestion** Rinse mouth.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Itching. Rashes. Hives.

**Effects of Exposure** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** May cause sensitization in susceptible persons. 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** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** Product is or contains a sensitizer. May cause sensitization by skin contact.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**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 and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. Handling and storage****Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

**Conditions for safe storage, including any incompatibilities**

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

**8. Exposure controls/personal protection**

**Control parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**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  
**Appearance** N/A  
**Color** N/A  
**Odor** Peppermint  
**Odor threshold** N/A

| <b><u>Property</u></b>               | <b><u>Values</u></b> | <b><u>Remarks • Method</u></b>           |
|--------------------------------------|----------------------|------------------------------------------|
| <b>pH</b>                            | Not applicable       | 7.0                                      |
| <b>pH (as aqueous solution)</b>      |                      | None known                               |
| <b>Melting point/freezing point</b>  | None / -94           | Product does not freeze.                 |
| <b>Boiling point / boiling range</b> | > 100 > 212          |                                          |
| <b>Flash point</b>                   | >100 >212            | Setaflash                                |
| <b>Evaporation rate</b>              | N/A                  | Butly acetate = 1                        |
| <b>Flammability (solid, gas)</b>     | NOT DETERMINED       |                                          |
| <b>Flammability Limit in Air</b>     |                      | Not flammable                            |
| <b>Upper flammability limit:</b>     | Non-Flammable        |                                          |
| <b>Lower flammability limit:</b>     | Non-Flammable        |                                          |
| <b>Vapor pressure</b>                | Not Determined       | 2.33 mmHg                                |
| <b>Vapor density</b>                 | Not Determined       |                                          |
| <b>Relative density</b>              | 0.98                 | Water = 1g/ml                            |
| <b>Water solubility</b>              | No data available    | Reacts with water to form carbon dioxide |
| <b>Solubility(ies)</b>               | No data available.   | Insoluable                               |
| <b>Partition coefficient</b>         | Undetermined         | .                                        |
| <b>Autoignition temperature</b>      | 330.0000 °C / 626 °F |                                          |
| <b>Decomposition temperature</b>     |                      |                                          |
| <b>Kinematic viscosity</b>           | Undetermined         |                                          |
| <b>Dynamic viscosity</b>             | No data available.   | @ 25 °C                                  |

**Other information**

|                      |                          |
|----------------------|--------------------------|
| Explosive properties | No information available |
| Oxidizing properties | No information available |
| Softening point      | Not applicable           |
| Molecular weight     | N/A                      |
| VOC Content (%)      | N/A                      |
| Density              | N/A                      |
| Bulk density         | Not applicable           |

**10. Stability and reactivity**

|                                    |                                           |
|------------------------------------|-------------------------------------------|
| Reactivity                         | No information available.                 |
| Chemical stability                 | Stable under normal conditions.           |
| Possibility of hazardous reactions | None under normal processing.             |
| Conditions to avoid                | None known based on information supplied. |
| 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**

|              |                                                                                                                                                                                                                                                                  |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation   | Specific test data for the substance or mixture is not available.                                                                                                                                                                                                |
| Eye contact  | Specific test data for the substance or mixture is not available.                                                                                                                                                                                                |
| Skin contact | May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). May be harmful in contact with skin. |
| Ingestion    | Specific test data for the substance or mixture is not available.                                                                                                                                                                                                |

**Symptoms related to the physical, chemical and toxicological characteristics**

|          |                         |
|----------|-------------------------|
| Symptoms | Itching. Rashes. Hives. |
|----------|-------------------------|

**Acute toxicity**

.

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

|                               |                 |
|-------------------------------|-----------------|
| ATEmix (oral)                 | 21,398.02 mg/kg |
| ATEmix (dermal)               | 2,029.08 mg/kg  |
| ATEmix (inhalation-gas)       | 99,999.00 ppm   |
| ATEmix (inhalation-vapor)     | 99,999.00 mg/l  |
| ATEmix (inhalation-dust/mist) | 99,999.00 mg/l  |

**Component Information**

| Chemical name                         | Oral LD50             | Dermal LD50           | Inhalation LC50                      |
|---------------------------------------|-----------------------|-----------------------|--------------------------------------|
| Dimethyl siloxane, hydroxy-terminated | > 15400 mg/kg ( Rat ) | > 16 mL/kg ( Rabbit ) | > 8750 mg/m <sup>3</sup> ( Rat ) 7 h |

|                                         |                      |                         |                         |
|-----------------------------------------|----------------------|-------------------------|-------------------------|
| 70131-67-8                              |                      |                         |                         |
| Methyl Tris (MEKO) Silane<br>22984-54-9 | -                    | > 2000 mg/kg ( Rat )    | -                       |
| Vinyltrimethoxysilane<br>2768-02-7      | = 7340 µL/kg ( Rat ) | = 3.54 mL/kg ( Rabbit ) | = 16.8 mg/L ( Rat ) 4 h |

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

|                                          |                                      |
|------------------------------------------|--------------------------------------|
| <b>Skin corrosion/irritation</b>         | No information available.            |
| <b>Serious eye damage/eye irritation</b> | No information available.            |
| <b>Respiratory or skin sensitization</b> | May cause an allergic skin reaction. |
| <b>Germ cell mutagenicity</b>            | No information available.            |
| <b>Carcinogenicity</b>                   | No information available.            |
| <b>Reproductive toxicity</b>             | No information available.            |
| <b>STOT - single exposure</b>            | No information available.            |
| <b>STOT - repeated exposure</b>          | No information available.            |
| <b>Aspiration hazard</b>                 | No information available.            |
| <b>Other adverse effects</b>             | N/A.                                 |
| <b>Interactive effects</b>               | No information available.            |

## 12. Ecological information

### Ecotoxicity

| Chemical name                      | Algae/aquatic plants | Fish                                         | Toxicity to microorganisms | Crustacea |
|------------------------------------|----------------------|----------------------------------------------|----------------------------|-----------|
| Vinyltrimethoxysilane<br>2768-02-7 | -                    | LC50: =191mg/L (96h,<br>Oncorhynchus mykiss) | -                          | -         |

**Persistence and degradability** N/A.

**Bioaccumulation** There is no data for this product.

**Other adverse effects** No information available.

### 13. Disposal considerations

#### Waste treatment methods

|                                     |                                                                                                                 |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Waste from residues/unused products | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| Contaminated packaging              | Do not reuse empty containers.                                                                                  |

### 14. Transport information

|                   |                |
|-------------------|----------------|
| <u>DOT</u>        | Not regulated. |
| <u>TDG</u>        | Not regulated. |
| <u>MEX</u>        | Not regulated. |
| <u>ICAO (air)</u> | Not regulated. |
| <u>IATA</u>       | Not regulated. |
| <u>IMDG</u>       | Not regulated. |

### 15. Regulatory information

#### International Inventories

|      |                                                                                                                         |
|------|-------------------------------------------------------------------------------------------------------------------------|
| TSCA | All of the components of this product are listed on the US TSCA (Toxic Substances Control Act) Inventory or are exempt. |
|------|-------------------------------------------------------------------------------------------------------------------------|

| Chemical name                         | CAS No.    | Inventory Listing Status | Commercial Activity Designation |
|---------------------------------------|------------|--------------------------|---------------------------------|
| Dimethyl siloxane, hydroxy-terminated | 70131-67-8 | Present                  | Active                          |
| Methyl Tris (MEKO) Silane             | 22984-54-9 | Present                  | Active                          |
| Vinyltrimethoxysilane                 | 2768-02-7  | Present                  | Active                          |

|               |                                                              |
|---------------|--------------------------------------------------------------|
| DSL/NDSL      | All of the components of this product are listed on the DSL. |
| EINECS/ELINCS | All components are listed.                                   |
| TCSI          | Contact supplier for inventory compliance status.            |

#### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - 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

**NZIoC** - New Zealand Inventory of Chemicals

**TCSI** - Taiwan Chemical Substance Inventory

**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**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**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) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated under applicable state right-to-know regulations

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. Other information**

|                    |                         |                       |                           |                              |
|--------------------|-------------------------|-----------------------|---------------------------|------------------------------|
| <b><u>NFPA</u></b> | <b>Health hazards</b> 2 | <b>Flammability</b> 1 | <b>Instability</b> 0      | <b>Special hazards</b> -     |
| <b><u>HMIS</u></b> | <b>Health hazards</b> 2 | <b>Flammability</b> 1 | <b>Physical hazards</b> 0 | <b>Personal protection</b> X |

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend**

SVHC: Substances of Very High Concern for Authorization:  
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances  
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances  
STOT: Specific Target Organ Toxicity  
ATE: Acute Toxicity Estimate  
LC50: 50% Lethal Concentration  
LD50: 50% Lethal Dose

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |
| +       | Sensitizers                 |      |                                  |

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
Environmental Protection Agency  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Prepared By** Lucas Technical Service Department.

**Revision Date** 02-Dec-2024

**Revision Note** N/A.

**Disclaimer**

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