



SAFETY DATA SHEET

This safety data sheet complies with the requirements of: 29CFR1910.1200

Issue Date 05-Sep-2023

Revision Date 29-Sep-2025

Version 1

Product identifier

Product Name Semi self-leveling sealer

Other means of identification

Product Code LUCAS 9500

Synonyms Liquid Flashing, For Grades 9500 & 4500

Recommended use of the chemical and restrictions on use

Recommended Use Sealant.

Uses advised against For exterior use only. Do not use indoors.

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 considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin sensitization	Category 1
Carcinogenicity	Category 2

Label elements

Emergency Overview

Warning

Hazard statements

Harmful if inhaled

May cause an allergic skin reaction

Suspected of causing cancer



Appearance Viscous**Physical state** Liquid**Odor** Lime**Precautionary Statements - Prevention**

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/clothing and eye/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Contaminated work clothing must not be allowed out of the workplace

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific treatment (see .? on this label)
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
IF INHALED: Remove person to fresh air and keep comfortable for breathing

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

- May be harmful if swallowed
 - May be harmful in contact with skin
- Unknown acute toxicity

87 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS**Substance**

Not applicable

Mixture

Mixture

Common name

Sealant and Caulk.

Synonyms

Liquid Flashing, For Grades 9500 & 4500.

Chemical nature

Mixture of moisture reactive polymers, plasticizers and fillers.

Chemical name	CAS No.	Weight-%	Trade secret
Propylene Glycol	25322-69-4	30 - 40%	*
Calcium Carbonate	1317-65-3	20 - 30%	*
Calcium Carbonate	471-34-1	0 - 10%	*
Titanium Dioxide	13463-67-7	0 - 10%	*
Vinyltrimethoxysilane	2768-02-7	0 - 10%	*

4. FIRST AID MEASURES**Description of first aid measures****General advice**

Under conditions of normal use, no hazards are anticipated which require special first aid measures.

Eye contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin contact	Wash thoroughly with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. In the case of skin irritation or allergic reactions see a physician.
Inhalation	Move to fresh air in case of accidental inhalation of vapors. If continued difficulty with breathing is experienced, get medical attention immediately.
Ingestion	Not an expected route of exposure. If swallowed, do not induce vomiting. Get medical attention immediately.
Self-protection of the first aider	First aider: Pay attention to self-protection!.

Most important symptoms and effects, both acute and delayed

Symptoms May cause skin irritation. May cause eye irritation.

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. Dry chemical. Carbon dioxide (CO₂). Sand. Use foam or water FOG as a last resort.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

N/A.

Hazardous combustion products Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases, vapors and fumes.

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 No action should be taken involving any personal risk or without suitable training. Use personal protective equipment as required.

Other Information Extremely slippery when spilled.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering sewers, drains, or waterways. Local authorities should be advised if significant spillages can not be contained. See Section 12 for additional ecological

information.

Methods and material for containment and cleaning up

Methods for containment	Contain spillage with non-combustible absorbent material, e.g. sand, earth, diatomaceous earth, vermiculite.
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).
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 Use personal protective equipment as required. Use only outdoors.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a cool, dry, well-ventilated place.
Incompatible materials	Strong acids. Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Calcium Carbonate 1317-65-3	No data available	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Calcium Carbonate 471-34-1	No data available	-	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Titanium Dioxide 13463-67-7	TWA: 0.2 mg/m ³ nanoscale respirable particulate matter TWA: 2.5 mg/m ³ finescale respirable particulate matter	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³ TWA: 2.4 mg/m ³ CIB 63 fine TWA: 0.3 mg/m ³ CIB 63 ultrafine, including engineered nanoscale

Appropriate engineering controls

Engineering Controls None under normal outdoor use conditions.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear protective gloves and protective clothing that is resistant to chemical penetration.
Respiratory protection	No protective equipment is needed under normal use conditions.
General Hygiene Considerations	Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Lime
Appearance	Viscous	Odor threshold	Negligible odor.
Color	White Black Grey		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	Not applicable		
Melting point/freezing point	None / 0 None / 32	Melting Point is not applicable. Freezing points are shown.	
Boiling point / boiling range	> NA		
Flash point	N/A	Non Flammable	
Evaporation rate	N/A	Not applicable	
Flammability (solid, gas)	Non Flammable		
Flammability Limit in Air		Not flammable	
Upper flammability limit:	Not applicable		
Lower flammability limit:	Not applicable		
Vapor pressure	2.33 (kPa)	Not applicable	
Vapor density	5.3	Where: Air = 1 at 68 degrees F (20 degrees C)	
Specific gravity	1.6	Water = 1g/ml	
Water solubility	Dispersible		
Solubility in other solvents	Soluble in aromatic and aliphatic solvents.		
Partition coefficient	N/A	No data available.	
Autoignition temperature	No information available		
Hyphen	N/A		
Kinematic viscosity	N/A		
Dynamic viscosity	N/A		
Explosive properties	Not an explosive		
Oxidizing properties	None		
<u>Other information</u>			
Softening point	Not applicable		
Molecular weight	N/A		
VOC Content (%)	Less than 10 g/l		
Density	13.2 lb/gal		
Bulk density	Not applicable		

10. STABILITY AND REACTIVITY

Reactivity

Not applicable Not applicable

Chemical stability

Stable.

Possibility of hazardous reactions

None under normal use.

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known for product as a whole.

Incompatible materials

Strong acids. Strong oxidizing agents.

Hazardous decomposition products

Combustion may produce carbon monoxide, carbon dioxide, and other asphyxiants.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below.
Inhalation	Avoid breathing vapors or mists.
Eye contact	Avoid contact with eyes.
Skin contact	May cause irritation.
Ingestion	If swallowed, do not induce vomiting. Get medical attention immediately. Not an expected route of exposure.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Propylene Glycol 25322-69-4	= 3750 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	-
Calcium Carbonate 471-34-1	= 6450 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 3 mg/L (Rat) 4 h
Titanium Dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	= 5.09 mg/L (Rat) 4 h
Vinyltrimethoxysilane 2768-02-7	= 7340 µL/kg (Rat)	= 3.54 mL/kg (Rabbit)	= 16.8 mg/L (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	N/A.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Can cause skin irritation.
Serious eye damage/eye irritation	N/A.
Irritation	May cause skin and eye irritation.
Corrosivity	Not classified.
Sensitization	May cause sensitization of susceptible persons.
Germ cell mutagenicity	This product does not contain any ingredients that cause germ cell mutagenicity.
Carcinogenicity	The table below indicates whether each agency (ACGIH, IARC, NTP, or OSHA) has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Titanium Dioxide 13463-67-7	A3	Group 2B	-	X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A1 - Known Human Carcinogen

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

A4 - Not Classifiable as a Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity	None known for product as a whole.
Developmental Toxicity	None known for product as a whole.

Teratogenicity	None known.
STOT - single exposure	N/A.
STOT - repeated exposure	N/A.
Target organ effects	Respiratory system, Eyes, Skin, Lungs.
Aspiration hazard	N/A.

Numerical measures of toxicity - Product Information

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

ATEmix (oral)	4,194.40
ATEmix (dermal)	2,764.40
ATEmix (inhalation-gas)	99,999.00
ATEmix (inhalation-dust/mist)	3.62
ATEmix (inhalation-vapor)	99,999.00

12. ECOLOGICAL INFORMATION**Ecotoxicity**

24.1 % 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	-	LC50: =191mg/L (96h, Oncorhynchus mykiss)	-

Persistence and degradability

N/A.

Bioaccumulation

No information available.

Chemical name	Partition coefficient
Propylene Glycol 25322-69-4	1.13

Other adverse effects

No information available

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

Note: This material is not subject to regulation as a hazardous material for shipping

DOT Not regulated.

TDG Not regulated.

MEX Not regulated.

<u>ICAO (air)</u>	Not regulated.
<u>IATA</u>	Not regulated.
<u>IMDG</u>	Not regulated.
<u>RID</u>	Not applicable in the United States. Not regulated.
<u>ADR</u>	Not applicable in the United States. Not regulated.
<u>ADN</u>	Not applicable in the United States. 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.
DSL/NDSL	All of the components of this product are listed on the DSL.

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

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 Yes
Chronic Health Hazard	Yes
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) 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 contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
Titanium Dioxide - 13463-67-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Calcium Carbonate 1317-65-3	X	X	X
Titanium Dioxide 13463-67-7	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

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

NFPA	Health hazards 2	Flammability 0	Instability 0	Special hazards -
HMIS	Health hazards 2 *	Flammability 0	Physical hazards 0	Personal protection -

*Chronic Hazard Star Legend * = Chronic Health Hazard*

Prepared By Lucas Technical Service Department
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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