



SAFETY DATA SHEET

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

Issue Date 08-Sep-2023

Revision Date 08-Sep-2023

Version 1

Product identifier

Product Name Terpolymer Sealant

Other means of identification

Product Code LUCAS 6600

Synonyms SEALANT

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

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 3

Label elements

Emergency Overview

Danger

Hazard statements

Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May be fatal if swallowed and enters airways
Flammable liquid and vapor

**Appearance** Viscous**Physical state** Paste/Gel**Odor** Solvent (Mineral Spirits) Aromatic**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed when product is not in use.
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools
Take precautionary measures against static discharge

Precautionary Statements - Response

Specific treatment (see first aid information on this label)
If skin irritation occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting
In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep cool

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

- May be harmful in contact with skin
- Toxic to aquatic life with long lasting effects
- Harmful to aquatic life

Unknown acute toxicity

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

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

This product is a mixture.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Common name

Sealant and Caulk.

Synonyms

SEALANT.

Chemical nature

Organic solvents and additives.

Chemical Name	CAS No.	Weight-%	Trade Secret
Styrene Butadiene Copolymer	66070-58-4	20 - 30%	*
Mineral Spirits (with < 0.1% Benzene)	8052-41-3	20 - 30%	*
Pyrogenic Silica	112945-52-5	0 - 10%	*
Hydrated Aluminum-Magnesium Silicate (Attapulgate)	12174-11-7	0 - 10%	*
Quartz	14808-60-7	0 - 10%	*
Nonane	111-84-2	0 - 10%	*
Trimethyl Benzene (mixed Isomers)	25551-13-7	0 - 10%	*

4. FIRST AID MEASURES

Description of first aid measures

General advice	Contains petroleum distillate. Harmful or fatal if swallowed. Vapor harmful. May affect the brain or central nervous system causing dizziness, headache, or nausea. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.
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

Sealed container may rupture/burst when heated or exposed to excessive heat.

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 May be ignited by heat, sparks or flames.

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	Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).
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.
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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. Remove all sources of ignition. Use only outdoors.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a cool, dry, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition.
Incompatible materials	Strong acids. Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Mineral Spirits (with < 0.1% Benzene) 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m ³	IDLH: 20000 mg/m ³ Ceiling: 1800 mg/m ³ 15 min TWA: 350 mg/m ³
Hydrated Aluminum-Magnesium Silicate (Attapulgite) 12174-11-7	TWA: 1 mg/m ³ respirable particulate matter	-	-
Quartz 14808-60-7	TWA: 0.025 mg/m ³ respirable particulate matter	TWA: 50 µg/m ³ TWA: 50 µg/m ³ excludes construction work, agricultural	IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust

		operations, and exposures that result from the processing of sorptive clays (vacated) TWA: 0.1 mg/m ³ respirable dust : (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction : (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction	
Nonane 111-84-2	TWA: 200 ppm	(vacated) TWA: 200 ppm (vacated) TWA: 1050 mg/m ³	TWA: 200 ppm TWA: 1050 mg/m ³
Trimethyl Benzene (mixed Isomers) 25551-13-7	TWA: 25 ppm	(vacated) TWA: 25 ppm (vacated) TWA: 125 mg/m ³	-

Appropriate engineering controls**Engineering Controls**

Use natural cross ventilation, local (mechanical) pick-up, and/or general area mechanical cross ventilation. Ventilation pattern should be designed to prevent accumulation of vapors. Ventilation must be sufficient to maintain vapor concentrations below the TWA limits outlined above.

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

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	Paste/Gel	Odor	Solvent (Mineral Spirits)
Appearance	Viscous		Aromatic
Color	Various Clear	Odor threshold	1-30 PPM. Odor thresholds vary greatly. Do not rely on odor threshold alone to determine potentially hazardous substances.

Property	Values	Remarks • Method
pH	Not applicable	
Melting point/freezing point	None / -70 276F None / -94 °F	Melting Point is not applicable. Freezing points are shown.
Boiling point / boiling range	> 154 276F / 310 °F	
Flash point	> 47 / > 116 °F	Setaflash
Evaporation rate	0.1	Butly acetate = 1
Flammability (solid, gas)	N/A	
Flammability Limit in Air		Flammable above 105 degrees F and 40.5 degrees C.
Upper flammability limit:	7.0	
Lower flammability limit:	1.6	
Vapor pressure	0.3 (kPa)	@ 20 °C
Vapor density	5.3	Where: Air = 1 at 68 degrees F (20 degrees C)
Specific Gravity	0.97-1.1	Water = 1g/ml
Water solubility	Insoluble	

Solubility in other solvents	Soluble in aromatic and aliphatic solvents.	
Partition coefficient	N/A	No data available.
Autoignition temperature	330 276F / 626 °F	
Decomposition temperature	N/A	
Kinematic viscosity	N/A	
Dynamic viscosity	N/A	
Explosive properties	Vapor accumulation could flash or explode if ignited.	
Oxidizing properties	None	

Other Information

Softening point	Not applicable
Molecular weight	N/A
VOC Content (%)	Less than 300 g/l
Density	8.3 to 8.5 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

Avoid static discharge. Avoid heat, sparks, and open flame.

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. Contact with eyes may cause irritation.		
Skin contact	May cause irritation.		
Ingestion	If swallowed, do not induce vomiting. Get medical attention immediately. Not an expected route of exposure.		

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Nonane 111-84-2	-	-	= 3200 ppm (Rat) 4 h
Trimethyl Benzene (mixed Isomers) 25551-13-7	= 8970 mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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 Irritating to eyes.
Irritation Irritating to eyes, respiratory system and skin.
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
Hydrated Aluminum-Magnesium Silicate (Attapulgate) 12174-11-7	-	Group 2B	-	X
Quartz 14808-60-7	A2	Group 1	Known	X

Legend

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 a human carcinogen.

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.

Aspiration hazard N/A.

Numerical measures of toxicity - No information available

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

ATEmix (oral) 5,268.00

ATEmix (dermal) 2,281.00

ATEmix (inhalation-dust/mist) 4.50

12. ECOLOGICAL INFORMATION**Ecotoxicity**

The following table lists information related to aquatic toxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Trimethyl Benzene (mixed Isomers) 25551-13-7	-	7.72: 96 h Pimephales promelas mg/L LC50 flow-through	-

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

<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.
<u>RID</u>	Not regulated.
<u>ADR</u>	Not regulated.
<u>ADN</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.
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 contains a chemical or 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	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
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 contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Hydrated Aluminum-Magnesium Silicate (Attapulgite) - 12174-11-7	Carcinogen
Quartz - 14808-60-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Mineral Spirits (with < 0.1% Benzene) 8052-41-3	X	X	X
Quartz 14808-60-7	X	X	X
Nonane 111-84-2	X	X	X
Trimethyl Benzene (mixed Isomers) 25551-13-7	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 2	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 2	Flammability 2	Physical hazards 0	Personal protection -
Chronic Hazard Star Legend	* = Chronic Health Hazard			

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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