



# SAFETY DATA SHEET

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

Issue Date 19-Aug-2016

Revision Date 19-Aug-2016

Version 1

## Product identifier

**Product Name** Mule-Hide 100% Silicone Sealant (Clear)

## Other means of identification

**Product Code**

**Synonyms** None

## Recommended use of the chemical and restrictions on use

**Recommended Use** No information available.

**Uses advised against** No information available

## Details of the supplier of the safety data sheet

**Manufacturer Address**

R.M. Lucas Company  
3211 South Wood Street  
Chicago, Illinois 60608  
(773) 523-4300

**Supplier Address**

Mule-Hide Products, Co., Inc.  
1195 Prince Hall Drive  
Beloit, WI 53511  
(800) 786-1492

## Emergency telephone number

**Emergency Telephone**

For Hazardous Materials [or Dangerous Goods] Incident , Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300 USA and Canada: +1 703-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

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

Carcinogenicity	Category 2
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### Label elements

#### Emergency Overview

#### **Warning**

#### **Hazard statements**

Suspected of causing cancer



**Appearance** Clear

**Physical state** Liquid

**Odor** Ester

#### **Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**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**

Unknown acute toxicity 100% 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).

Chemical Name	CAS No.	Weight-%	Trade Secret
White Mineral Oil	8042-47-5	10 - 20%	*
Methyl Tris (MEKO) Silane	22984-54-9	10 - 20%	*
Silica, amorphous, precipitated and gel	112926-00-8	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**

Remove contact lenses, if present and easy to do. Continue rinsing. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.

**Inhalation**

Remove to fresh air. If breathing is difficult, give oxygen. Oxygen or artificial respiration if needed. If not breathing, give artificial respiration. Immediate medical attention is required.

**Ingestion**

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If conscious, rinse out mouth with water.

**Self-protection of the first aider**

First aider: Pay attention to self-protection!

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

No information available.

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

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray (fog). Foam.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Hazardous combustion products** Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

### Explosion data

**Sensitivity to Mechanical Impact** No data available.

**Sensitivity to Static Discharge** None.

### 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** Avoid contact with skin, eyes and inhalation of vapors. Wear protective gloves/protective clothing and eye/face protection. Wash thoroughly after handling.

**For emergency responders** Use personal protective equipment as required.

### 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. Remove all sources of ignition.

### Conditions for safe storage, including any incompatibilities

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

**Incompatible materials** No information available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parametersExposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Silica, amorphous, precipitated and gel 112926-00-8	-	(vacated) TWA: 6 mg/m <sup>3</sup> TWA: 20 mppcf : (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA	-

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 asphalt vapors. Ventilation must be sufficient to maintain asphalt vapor concentrations below the TWA limits outlined above.

Individual protection measures, such as personal protective equipment

<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and body protection</b>	Wear protective gloves and protective clothing that is resistant to chemical penetration.
<b>Respiratory protection</b>	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

<b>Physical state</b>	Liquid	<b>Odor</b>	Ester
<b>Appearance</b>	Clear	<b>Odor threshold</b>	No information available
<b>Color</b>	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No information available	No information available
<b>Melting point/freezing point</b>	No information available	No data available.
<b>Boiling point / boiling range</b>	No information available	Not applicable
<b>Flash point</b>	> Non Flammable No information available °C / > NA °F	
<b>Evaporation rate</b>	No information available	No information available
<b>Flammability (solid, gas)</b>	No information available	Not applicable
<b>Flammability Limit in Air</b>		No information available
<b>Upper flammability limit:</b>	No information available	
<b>Lower flammability limit:</b>	No information available	
<b>Vapor pressure</b>	No information available	No information available
<b>Vapor density</b>	No information available	No information available No data available.
<b>Specific Gravity</b>	1-1.2	50 g/l at 23C
<b>Water solubility</b>	Insoluble in water	50 g/l at 23C
<b>Solubility in other solvents</b>	No information available	Soluble in hydrocarbons
<b>Partition coefficient</b>	No information available	50 g/l at 23C
<b>Autoignition temperature</b>	No information available	50 g/l at 23C
<b>Decomposition temperature</b>	No information available	50 g/l at 23C
<b>Kinematic viscosity</b>	No information available	50 g/l at 23C
<b>Dynamic viscosity</b>	No information available	50 g/l at 23C
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

Other Information

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available

**Density** No information available  
**Bulk density** No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions 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

No information available.

### Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Thermal decomposition can lead to release of irritating vapors.

## 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. Causes serious eye irritation.  
**Skin contact** Avoid contact with skin.  
**Ingestion** If swallowed, do not induce vomiting. Get medical attention immediately.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
White Mineral Oil 8042-47-5	> 5000 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** No information available.  
**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
Silica, amorphous, precipitated and gel 112926-00-8	-	Group 3	-	-

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**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) 6,006.00

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

90 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
White Mineral Oil 8042-47-5	-	10000: 96 h Lepomis macrochirus mg/L LC50	-

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

Chemical Name	Partition coefficient
White Mineral Oil 8042-47-5	>6

**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****DOT**

Not regulated.

**TDG**

unknown Not regulated.

**MEX**

unknown Not regulated.

**ICAO (air)**

unknown Not regulated.

**IATA**

unknown Not regulated.

**IMDG**

unknown Not regulated.

**RID**

unknown Not regulated.

**ADR**

unknown Not regulated.

**ADN**

unknown Not regulated.

**15. REGULATORY INFORMATION**

**International Inventories****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	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, contains one or more substances regulated as a hazardous substance 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

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Silica, amorphous, precipitated and gel 112926-00-8	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**

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

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Revision Note

No information available

**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**