

# SAFETY DATA SHEET

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

Issue Date 11-May-2015 Revision Date 20-May-2015 Version 1

Product identifier

**Product Name** Mule-Hide SEBS Seam Sealer

Other means of identification

**Product Code** 

**Synonyms** None

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

Mule-Hide Products, Co., Inc. Supplier Address Manufacturer Address R.M. Lucas Company 1195 Prince Hall Drive

3211 South Wood Street Chicago, Illnois 60608 (773) 523-4300

Beloit, Wi 53511 (800) 786-1492

Emergency telephone number

Call CHEMTREC Day or Night: **Emergency Telephone** 

Within USA and Canada: 1-800 424-9300 Outside 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
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable liquids	Category 3

## Label elements

# **Emergency Overview**

#### Danger

#### Hazard statements

Suspected of causing cancer

Causes damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Flammable liquid and vapor



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# Appearance Viscous Physical state Liquid Odor Solvent (Mineral Spirits)

## **Precautionary Statements - Prevention**

Obtain special instructions before use

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

Use personal protective equipment as required

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Keep away from heat/sparks/open flames/hot surfaces.

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**

IF exposed or concerned: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

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

- Causes mild skin irritation
- Toxic to aquatic life with long lasting effects
- Harmful to aquatic life

Unknown acute toxicity 29% 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 None.

Chemical nature Organic solvents and additives.

Chemical Name	CAS No.	Weight-%	Trade Secret
Mineral Spirits (with < 0.1% Benzene)	8052-41-3	20 - 30%	*
Aromatic Naptha (with <0.1% Benzene)	64742-95-6	20 - 30%	*
Hydrocarbon Resin	69430-35-9	10 - 20%	*
Styrene/Butadiene Copolymer	66070-58-4	10 - 20%	*
Calcium Carbonate	471-34-1	10 - 20%	*
1,2,4 Trimethylbenzene	95-63-6	0 - 10%	*
Titanium Dioxide	13463-67-7	0 - 10%	*
Hydrated Aluminum-Magnesium Silicate (Attapulgite)	12174-11-7	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

# 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.

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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.

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

outdoors.

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** No ACGIH or OSHA PEL is assigned to this mixture.

Exposure limits for the component materials are shown below.

This product, as supplied, is not believed to contain any hazardous material that exceeds

exposure limits established by OSHA.

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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/m³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m³	IDLH: 20000 mg/m³ Ceiling: 1800 mg/m³ 15 min TWA: 350 mg/m³
Calcium Carbonate 471-34-1	-	-	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
1,2,4 Trimethylbenzene 95-63-6	-	-	TWA: 25 ppm TWA: 125 mg/m <sup>3</sup>
Titanium Dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m <sup>3</sup>
Hydrated Aluminum-Magnesium Silicate (Attapulgite) 12174-11-7	TWA: 1 mg/m³ respirable fraction	-	-

**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

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

Odor

shown.

Setaflash

@ 20 °C

Water = 1g/mI

Butly acetate = 1

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 Liquid Appearance Viscous White Color

1-30 PPM. Odor **Odor threshold** thresholds vary greatly. Do not rely on odor

Melting Point is not applicable. Freezing points are

Flammable above 105 degrees F and 40.5 degrees

threshold alone to determine potentially hazardous substances.

Solvent (Mineral Spirits)

Values Remarks • Method **Property** 

Not applicable

Melting point/freezing point None / -70 °C None / -94 °F

> 154 °C / 310 °F Boiling point / boiling range

Flash point > 40.5 °C / > 105 °F

**Evaporation rate** 0.1

Flammability (solid, gas)

Flammability Limit in Air

No information available

Upper flammability limit: 7.0

Lower flammability limit: 1.6

Vapor pressure 0.3 (kPa)

Where: Air = 1 at 68 degrees F (20 degrees C) Vapor density 5.3

**Specific Gravity** 1.10 Water solubility Insoluble

Solubility in other solvents Soluble in aromatic and aliphatic

solvents.

No information available No data available. **Partition coefficient** 

**Autoignition temperature** 330 °C / 626 °F No information available **Decomposition temperature** Kinematic viscosity No information available Dynamic viscosity No information available

**Explosive properties** Vapor accumulation could flash or explode if ignited.

None Oxidizing properties

Other Information

Softening point Not applicable

Molecular weight No information available Less than 550 g/l. **VOC Content (%) Density** 9.0 to 9.4 10lb/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 individualing redients 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.

Component Information The IARC Monograph (Vol 93, 2010, Carbon Black, Titanium Dioxide, Talc) states: "No

significant exposure to primary particles of Titanium Dioxide is thought to occur during the use of products in which Titanium Dioxide is bound to other materials, such as in paints."

\* No significant exposure to Crystalline Silica (Quartz) is thought to occur during the use of products in which Crystalline Silica (Quartz) is bound to other materials, such as in paints and coatings. As one reference, see California Office of Health Hazard Assessment at:

http://www.oehha.org/prop65/CRNR\_notices/safe\_use/sylicasud2.html

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Aromatic Naptha (with <0.1% Benzene) 64742-95-6	= 8400 mg/kg(Rat)	> 2000 mg/kg(Rabbit)	= 3400 ppm (Rat) 4 h
Calcium Carbonate 471-34-1	= 6450 mg/kg (Rat)	-	-
1,2,4 Trimethylbenzene 95-63-6	= 3400 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m³ (Rat) 4 h
Titanium Dioxide 13463-67-7	> 10000 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.

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#### Mule-Hide SEBS Seam Sealer

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 (Attapulgite) 12174-11-7	-	Group 2B Group 3	-	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.

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

X - Present

Reproductive toxicity
Developmental Toxicity
Teratogenicity
None known.
None known.

STOT - single exposure
STOT - repeated exposure
Aspiration hazard

No information available.
No information available.
No information available.

#### 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)
 9,574.00

 ATEmix (dermal)
 5,132.00

 ATEmix (inhalation-dust/mist)
 11.83

## 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity**

The following table lists information related to aquatic toxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Aromatic Naptha (with <0.1% Benzene) 64742-95-6	-	9.22: 96 h Oncorhynchus mykiss mg/L LC50	6.14: 48 h Daphnia magna mg/L EC50
1,2,4 Trimethylbenzene 95-63-6	-	7.19 - 8.28: 96 h Pimephales promelas mg/L LC50 flow-through	6.14: 48 h Daphnia magna mg/L EC50

#### Persistence and degradability

No information available.

# **Bioaccumulation**

No information available.

Chemical Name	Partition coefficient
1,2,4 Trimethylbenzene 95-63-6	3.63

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.

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Contaminated packaging Do not reuse container.

## 14. TRANSPORT INFORMATION

**DOT** Regulated

DOT Ground: Not regulated if shipped in containers < 119 gallons (450 liters). DOT Ground: Regulated if shipped in containers >119 gallons (450 liters).

Proper shipping name Combustible liquid, n.o.s (mineral spirits)

Hazard Class 3
Packing Group III

TDG Regulated NA 1993

**Proper shipping name**Combustible liquid, n.o.s (mineral spirits)

Hazard Class 3 Packing Group III

MEX Regulated NA 1993

**Proper shipping name**Combustible liquid, n.o.s. (mineral spirits)

ICAO (air)RegulatedUN/ID no.1993

IATA Regulated UN/ID no. 1993

IMDG Regulated UN/ID no. 1993

RID Not applicable in the United States.

ADR Not applicable in the United States.

ADN Not applicable in the United States.

## 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

Chemical Name	SARA 313 - Threshold Values %	
1,2,4 Trimethylbenzene - 95-63-6 1.0		
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
Titanium Dioxide - 13463-67-7	Carcinogen
Hydrated Aluminum-Magnesium Silicate (Attapulgite) - 12174-11-7	Carcinogen

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

This product contains the following substances regulated by various State Right-to-Know regulations.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Mineral Spirits (with < 0.1% Benzene)	X	X	X
8052-41-3			
1,2,4 Trimethylbenzene 95-63-6	X	X	X
Titanium Dioxide 13463-67-7	X	X	Х

## **U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

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

Health hazards 2 Instability 0 **Physical and Chemical** NFPA Flammability 2 Properties -

Personal protection -**Health hazards** 2 Flammability 2 Physical hazards 0

\* = Chronic Health Hazard Chronic Hazard Star Legend

Prepared by Robert Barry **Prepared By** 

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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**