

# Safety Data Sheet

## 10-9750



**Product Identifier: Mule-Hide Repair Hero**

### \*\*\*Section 1 - IDENTIFICATION\*\*\*

**Product Identifier:**

Seal Fast Repair Hero

**Recommended Use**

Thermoplastic Multipurpose Exterior Durable Colored coating. Used for flashing, sealing, and repairing metal roofs and trailers, built up roofing, TPO, and other single-ply systems.

**Restrictions on Use**

For exterior use only. Do not use it indoors.

**Manufacturer Information**

MULE HIDE  
PRODUCTS Co. INC.  
1195 Prince Hall Drive,  
Beloit, WI, 53511

Phone: (800) 786-1492

Emergency # (800) 424-9300

### \*\*\*Section 2 - HAZARD(S) IDENTIFICATION\*\*\*

**Classification in accordance with 29 CFR 1910.1200.**

- Flammable Liquids, Category 3
- Skin Corrosion / Irritation, Category 2
- Eye Damage / Irritation, Category 2A
- Toxic to Reproduction, Category 1B
- Specific Target Organ Toxicity - Single Exposure, Category 1 (central nervous system, kidneys, liver, and respiratory system)
- Specific Target Organ Toxicity - Single Exposure, Category 3 (respiratory tract irritation)
- Specific Target Organ Toxicity - Repeated Exposure, Category 1 (lungs, nervous system, and respiratory system)
- Hazardous to the Aquatic Environment - Acute Hazard, Category 2
- Hazardous to the Aquatic Environment - Chronic Hazard, Category 2

**GHS LABEL ELEMENTS**

**Symbol(s)**



**Signal Word**

DANGER

**Hazard Statement(s)**

- Flammable liquid and vapor
- Causes skin irritation
- Causes serious eye irritation
- May damage fertility or the unborn child
- Causes damage to central nervous system, kidneys, liver, and respiratory system.
- May cause respiratory irritation
- Causes damage to lungs, nervous system, and respiratory system through prolonged or repeated exposure.
- Toxic to aquatic life with long lasting effects

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## Precautionary Statement(s)

### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe gas, fumes, vapor, or spray. Do not eat, drink, or smoke when using this product. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment.

### Response

In case of fire: Use appropriate media for extinction. IF exposed or concerned: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Collect spillage.

### Storage

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

### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

## \*\*\*Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS\*\*\*

### Substance

#### Mixture

This product is a mixture.

**Common name** Solvent-based White Mastic.

**Synonyms** None.

**Chemical nature** Organic solvents and additives.

CAS	Component	Percent (%)
8052-41-3	Mineral Spirits (with <0.1% Benzene)	15-25
64742-95-6	Solvent naphtha (petroleum), light Aromatic (with <0.1% Benzene)	10-20
13463-67-7	Titanium Dioxide	1-5
Mixture	Proprietary Hydrocarbon Resins	10-30
Mixture	Proprietary Elastomers	10-30
112926-00-8	Amorphous Precipitated Silica	2-7

## \*\*\*Section 4 - FIRST-AID MEASURES\*\*\*

### Description of Necessary Measures

#### Inhalation

IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

#### Skin Contact

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

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## Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

## Ingestion

If a large amount is swallowed, get immediate medical attention.

## Most Important Symptoms/Effects

Acute respiratory tract irritation skin irritation eye irritation central nervous system damage kidney damage liver damage respiratory system damage

Delayed lung damage nervous system damage respiratory system damage reproductive effects

## Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

Treat symptomatically and supportively.

### \* \* \*Section 5 - FIRE-FIGHTING MEASURES\* \* \*

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO<sub>2</sub>). 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.

#### Special Hazards Arising from the Chemical

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

#### Hazardous Combustion Products

**Combustion:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. May release irritating, corrosive and/or toxic gases, vapors and fumes.

#### Special Protective Equipment and Precautions for Firefighters

Flammable liquid and vapor.

#### Fire Fighting Measures

Move material from fire area if it can be done without risk. Cool containers with water. Avoid inhalation of vapors or combustion by-products. Use extinguishing agents appropriate for surrounding fire. Dike for later disposal. Stay upwind and keep out of low areas.

#### Protective Equipment and Precautions for Firefighters

Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

### \* \* \*Section 6 - ACCIDENTAL RELEASE MEASURES\* \* \*

#### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Keep unnecessary people away, isolate hazard area and deny entry. Only personnel trained for the hazards of this material should perform clean up and disposal. Avoid release to the environment.

#### Methods and Materials for Containment and Cleaning Up

Eliminate all ignition sources if safe to do so. Ventilate the area. Stop leak if possible without personal risk. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Avoid release to the environment.

### \* \* \*Section 7 - HANDLING AND STORAGE\* \* \*

#### Precautions for Safe Handling

Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks and flame. Take precautionary measures against static discharge. Do not breathe vapor or mist. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product. Always wear recommended personal protective equipment. Wear personal protective clothing and equipment, see Section 8. Wash thoroughly after handling.

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## Conditions for Safe Storage, including any Incompatibilities

Store and handle in accordance with all current regulations and standards. Store in a well-ventilated area. Keep container tightly closed. Keep cool. Keep separated from incompatible substances.

**Incompatibilities:** strong oxidizing materials

## \* \* \*Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION\* \* \*

### Component Exposure Limits

NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6)

**RCP – TWA** Exxon Mobile

**Vapor Form** 19 ppm  
100 mg/m<sup>3</sup>

Ethylbenzene (100-41-4)

**ACGIH:** 20 ppm TWA  
150 ppm STEL

**OSHA:** 435 mg/m<sup>3</sup> TWA, 100ppm

Mineral Spirits (with < 0.1% Benzene) 8052-41-3

**ACGIH:** 100 PPM  
Inhalable Fraction

**OSHA:** 2900 mg/m<sup>3</sup> 8 hours TWA, 500 PPM

Proprietary Elastomers (Mixture)

**TWA:** 3 mg/m<sup>3</sup>  
Respirable Fraction

Titanium Dioxide 13463-67-7

**ACGIH:** TWA: 10 mg/m<sup>3</sup>

**NIOSH:** IDLH: 5000 mg/m<sup>3</sup>

**OSHA:** TWA: 15 mg/m<sup>3</sup> total dust (vacated) TWA: 10 mg/m<sup>3</sup> total dust 30 mg/m<sup>3</sup> %SiO<sub>2</sub> + 2  
TWA (total dust)

### Appropriate Engineering Controls

Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eyes/Face Protection

Wear splash resistant safety goggles with a face shield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

#### Skin Protection

Wear appropriate chemical resistant clothing.

#### Glove Recommendations

Wear appropriate chemical resistant gloves.

#### Respiratory Protection

Use an approved respirator if exposure limits are exceeded or if irritation develops or persists.

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## \*\*\*Section 9 - PHYSICAL AND CHEMICAL PROPERTIES\*\*\*

<b>Physical State:</b>	Paste, Gel	<b>Appearance:</b>	Paste, Viscous
<b>Color:</b>	White	<b>Physical Form:</b>	paste
<b>Odor:</b>	Hydrocarbon odor	<b>Odor Threshold:</b>	Not available
<b>pH:</b>	Not available	<b>Melting Point:</b>	Not available
<b>Boiling Point:</b>	>154 °C (>310 °F)	<b>Decomposition:</b>	Not available
<b>Flash Point:</b>	>40 °C (>105 °F)	<b>Evaporation Rate:</b>	0.1
<b>OSHA Flammability Class:</b>	Not available	<b>Vapor Pressure:</b>	0.3 (kPa)
<b>Vapor Density (air = 1):</b>	5.3	<b>Density:</b>	11.3 lb/gal
<b>Specific Gravity (water = 1):</b>	1.2-1.4	<b>Water Solubility:</b>	Negligible
<b>Log KOW:</b>	Not available	<b>Coeff. Water/Oil Dist:</b>	Not available
<b>KOC:</b>	Not available	<b>Auto Ignition:</b>	330 °C / 626 °F
<b>Viscosity:</b>	varies	<b>VOC:</b>	320 g/l EPA method 24
<b>Volatility:</b>	Not available	<b>Molecular Formula:</b>	Not available

## \*\*\*Section 10 - STABILITY AND REACTIVITY\*\*\*

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable at normal temperatures and pressure.

### Possibility of Hazardous Reactions

Will not polymerize.

### Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

### Incompatible Materials

strong oxidizing materials

### Hazardous Decomposition Products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

### Hazardous Decomposition

**Combustion:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

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## \*\*\*Section 11 - TOXICOLOGICAL INFORMATION\*\*\*

### Acute Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

#### **Solvent naphtha, petroleum, light aromatic (with <0.1% Benzene) (64742-95-6)**

Oral LD50 Rat 8400 mg/kg

Dermal LD50 Rabbit >2000 mg/kg

Inhalation LC50 Rat 3400 ppm 4 h

#### **1,3,5-Trimethylbenzene (108-67-8)**

LD50 oral rat 5000 mg/m<sup>3</sup> Based on 1,2,4-trimethylbenzene LD50 dermal rabbit > 3160 mg/kg Based on 1,2,4-trimethylbenzene LC50 inhalation rat 24 mg/l/4h (Exposure time: 4 h)

#### **Titanium Dioxide**

LD50 oral rat >10000 mg/kg (Rat)

#### **Amorphous, Precipitated Silica (112926-00-8)**

Oral LD50 Rat >5000 mg/kg

Dermal LD50 Rabbit >5000 mg/kg

### Information on Likely Routes of Exposure

#### Inhalation

May be harmful if inhaled. May cause respiratory irritation. May cause irritation and central nervous system effects including nausea, headache, dizziness, fatigue, drowsiness, or unconsciousness.

#### Ingestion

May be harmful if swallowed.

#### Skin Contact

May cause irritation of the skin. May cause irritation, redness, itching and burning.

#### Eye Contact

May cause irritation of the eyes. Contact may cause tearing, redness, a stinging or burning feeling, swelling, and blurred vision.

#### Immediate Effects

respiratory tract irritation, skin irritation, eye irritation, central nervous system damage, kidney damage, liver damage, respiratory system damage

#### Delayed Effects

lung damage, nervous system damage, respiratory system damage

#### Medical Conditions Aggravated by Exposure

skin disorders, eye disorders

#### Irritation/Corrosivity Data

Causes skin, eye and respiratory irritation.

#### Respiratory Sensitization

No information available for the product.

#### Dermal Sensitization

No information available for the product.

#### Germ Cell Mutagenicity

No information available for the product.

#### Component Carcinogenicity

#### Reproductive Toxicity

No information available for the product.

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## Specific Target Organ Toxicity - Single Exposure

central nervous system, kidneys, liver, respiratory system

## Specific Target Organ Toxicity - Repeated Exposure

lungs

## Aspiration Hazard

No information available for the product.

## \* \* \*Section 12 - ECOLOGICAL INFORMATION\* \* \*

### Ecotoxicity

Toxic to aquatic life with long lasting effects.

### Component Analysis - Aquatic Toxicity

#### Solvent naphtha, petroleum, light aromatic 64742-95-6

Fish: LC50 96 h Oncorhynchus mykiss 9.22 mg/L

Invertebrate: EC50 48 h Daphnia magna 6.14 mg/L IUCLID

#### 1,2,4 Trimethylbenzene 95-63-6

Fish: 7.19 - 8.28: 96 h Pimephales, promelas mg/L LC50 flow-through

Crustacea: 6.14: 48 h Daphnia magna mg/L EC50

### Persistence and Degradability

No information is available for the product.

### Bioaccumulation

No information is available for the product.

### Mobility

No information available for the product.

### Biodegradation

No information is available for the product.

## \* \* \*Section 13 - DISPOSAL CONSIDERATIONS\* \* \*

### Disposal Methods

Dispose in accordance with all applicable federal, state/regional and local laws and regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D001.

### Disposal of Contaminated Packaging

Dispose of properly. Recycle if possible.

## \* \* \*Section 14 - TRANSPORT INFORMATION\* \* \*

### DOT

**UN/ID no** UN1993

**Proper shipping name** FLAMMABLE LIQUIDS, N.O.S.

**Transport hazard class(es)** 3

**Packing group** III

**DOT Marine Pollutant** NP

**Description** UN1993, FLAMMABLE LIQUIDS, N.O.S. (Petroleum distillates, hydrotreated light), 3, III

**Emergency Response Guide** 128

**Number**

**Additional Information** This product may be re-classified as "Combustible Liquid," unless transported by vessel or aircraft. Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials in package sizes less than the product reportable quantity.

### IATA

**UN number or ID number** UN1993

**UN proper shipping name** Flammable liquid, n.o.s.

**Transport hazard class(es)** 3

**Packing group** III

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**Product Identifier: Mule-Hide Repair Hero**

**IATA Technical Name** Petroleum distillates, hydrotreated light

**Description** UN1993, Flammable liquid, n.o.s. (Petroleum distillates, hydrotreated light), 3, III

**ERG Code** 3L

## IMDG

**UN number or ID number** UN1993

**UN proper shipping name** FLAMMABLE LIQUID, N.O.S.

**Transport hazard class(es)** 3

**Packing group** III

**EmS-No** F-E, S-E

**Marine pollutant** NP

**Marine pollutant** Petroleum distillates, hydrotreated light

**Description** UN1993, FLAMMABLE LIQUID, N.O.S. (Petroleum distillates, hydrotreated light), 3, III, (40°C C.C.)

## \* \* \*Section 15 - REGULATORY INFORMATION\* \* \*

### U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

None of the ingredients is listed.

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

### SARA 311/312 Hazardous Categories

**Acute Health:** Yes **Chronic Health:** Yes **Fire:** Yes **Pressure:** No **Reactive:** No

### State Regulations

The following components appear on one or more of the following state hazardous substances lists:

None of the ingredients are listed.

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

**WARNING!** This product contains a chemical known to the state of California to cause cancer.

### Component Analysis – Inventory

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) 8052-41-3	X	X	X
1,2,4 Trimethylbenzene 95-63-6	X	X	X
Titanium Dioxide 13463-67-7	X	X	X



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<b>***Section 16 - OTHER INFORMATION***</b>
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**NFPA Ratings:**      **Health: 2**                      **Fire: 2**                      **Reactivity: 0**  
**HMIS:**              **Health: 2**                      **Fire: 2**                      **Physical Hazards: 0**  
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Other Information

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations.

### 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.