

Material Name: Mule-Hide EPDM Bonding Adhesive SDS 10-2320

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name: Mule-Hide EPDM Bonding Adhesive

Synonyms: Solvent Based Adhesive

Chemical Family: Adhesive

Product Use: Bonding Adhesive for EPDM Single-Ply Roofing Membrane

Restrictions on Use: For industrial use only.

Manufacturer Information

Carlisle SynTec 1285 Ritner Highway Carlisle, PA 17013 USA Phone: +1-800-479-6832

Emergency Phone #: +1-800-424-9300 (Chemtrec)

Supplier Information:

Mule-Hide Products Co., Inc 1195 Prince Hall Dr. Beloit, WI 53511

USA

Phone: 800-786-1492

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Flammable Liquids - Category 2

Aspiration Hazard - Category 1

Skin Corrosion/Irritation - Category 2

Serious Eye Damage/Eye Irritation - Category 2A

Germ Cell Mutagenicity - Category 1B

Carcinogenicity - Category 1B

Reproductive Toxicity - Category 1B

Specific Target Organ Toxicity - Single Exposure - Category 1 (central nervous system, kidneys, liver, respiratory system)

Specific Target Organ Toxicity - Single Exposure - Category 2 (nervous system)

Specific Target Organ Toxicity - Single Exposure - Category 3

Specific Target Organ Toxicity - Repeated Exposure - Category 1 (central nervous system, kidneys,

nervous system, respiratory system)

Specific Target Organ Toxicity - Repeated Exposure - Category 2 (blood, liver)

GHS Label Elements

Symbol(s)







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Material Name: Mule-Hide EPDM Bonding Adhesive SDS 10-2320

Signal Word

Danger

Hazard Statement(s)

Highly flammable liquid and vapor

Causes skin irritation

Causes serious eye irritation

May cause genetic defects

May cause cancer

May damage fertility or the unborn child

Causes damage to organs

May cause respiratory irritation. May cause drowsiness or dizziness

Causes damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

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, hot surfaces, sparks, open flames and other ignition sources. No smoking

Keep container tightly closed

Ground/Bond container and receiving equipment

Use explosion-proof electrical/ventilating/lighting equipment

Use non-sparking tools

Use only outdoors or in a well-ventilated area

Take precautionary measures against static discharge

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

Wash thoroughly after handling

Do not eat, drink or smoke when using this product

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

Use Personal Protective equipment as required

Response

In case of fire: Use appropriate media to extinguish

If exposed: Call a POISON CENTER or doctor/physician

IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing

Call a POISON CENTER or doctor if you feel unwell

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

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

water/shower

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

Specific treatment (see label)

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

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Storage

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

Disposal

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

Other Hazards

None known.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
Proprietary	Polychloroprene	10-30
Proprietary	Phenolic Resin	1-5
1309-48-4	Magnesium oxide (MgO)	0.5-1.5
108-88-3	Toluene	30-60
64742-89-8	Solvent naphtha, petroleum, light aliphatic	15-40
67-64-1	Acetone	5-10
1330-20-7	Xylenes (o-, m-, p- isomers)	1-5

Section 4 - FIRST AID MEASURES

Description of Necessary Measures

If exposed: Call a POISON CENTER or doctor/physician.

Inhalation

Remove person to fresh air and keep comfortable for breathing. Give artificial respiration if not breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin

Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eyes

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IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

Aspiration hazard. Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration.

Indication of any immediate medical attention and special treatment needed

No additional information is available.

Most Important Symptoms/Effects

Acute

skin irritation, eye irritation, aspiration hazard, central nervous system damage, kidney damage, liver damage, respiratory system damage, nervous system damage, nervous system Effects.

Delayed

central nervous system damage, kidney damage, nervous system damage, respiratory system damage, blood Effects, liver effects.

Note to Physicians

If adverse effects occur, treat symptomatically and supportively.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Dry chemical, foam or carbon dioxide. Water may be ineffective.

Unsuitable Extinguishing Media

Do not scatter spilled material with high-pressure water streams.

Special Hazards Arising from the Chemical

Highly flammable. Vapors are heavier than air and may travel along the ground to distant sources and flash back.

Hazardous Combustion Products

Oxides of carbon, hydrogen cyanide, oxides of nitrogen.

Special Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus with a full facepiece and protective clothing.

Fire Fighting Measures

Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

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Methods and Materials for Containment and Cleaning Up

Eliminate all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements, or confined areas. Absorb with earth, sand or other non-combustible material and transfer to container. Use non-sparking tools.

Environmental Precautions

Avoid release to the environment.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

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. Use non-sparking tools. Wash contaminated clothing before reuse. Do not get in eyes, on skin, or on clothing. Ground/bond container and receiving equipment. Wear protective gloves/clothing and eye/face protection. When using, do not eat, drink or smoke. Take precautionary measures against static discharge. Use only outdoors or in a well-ventilated area. Do not breathe gas, fumes, vapor, or spray. Wash thoroughly after handling. Keep out of the reach of children.

Conditions for Safe Storage, Including any Incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep cool Do not cut, puncture, or weld on or near this container. Empty containers may contain product residue.

Incompatible Materials

Strong oxidizing agents, acids, bases.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Magnesium oxide (MgO)	1309-48-4		
ACGIH:	10 mg/m3 TWA inhalable fraction		
NIOSH:	750 mg/m³ IDLH fume		
OSHA (US):	15 mg/m ³ TWA fume, total particul	ate	
Mexico:	10 mg/m ³ TWA LMPE-PPT as Mg fume		
Toluene	108-88-3		
ACGIH:	20 ppm TWA		
NIOSH:	100 ppm TWA; 375 mg/m³ TWA	150 ppm STEL; 560 mg/m ³ STEL	

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Possibility of significant uptake through the skin OSHA (US): 200 ppm TWA 300 ppm Ceiling Mexico: 50 ppm TWA LMPE-PPT; 188 mg/m³ TWA LMPE-PPT Skin - potential for cutaneous absorption Acetone 67-64-1 ACGIH: 500 ppm TWA 750 ppm STEL NIOSH: 250 ppm TWA; 590 mg/m³ TWA 2500 ppm IDLH (10% LEL) Europe: 500 ppm TWA; 1210 mg/m³ TWA OSHA (US): 1000 ppm TWA; 2400 mg/m³ TWA Mexico: 1000 ppm TWA LMPE-PPT; 2400 mg/m³ TWA LMPE-PPT 1260 ppm STEL [LMPE-CT]; 3000 mg/m³ STEL [LMPE-CT] Xylenes (o-, m-, p- isomers) 1330-20-7 Europe: 50 ppm TWA (pure); 221 mg/m³ 100 ppm STEL (pure); 442 mg/m TWA (pure) Possibility of significant uptake through the skin OSHA (US): 100 ppm TWA; 435 mg/m³ TWA				
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OSHA (US): 200 ppm TWA	Europe:	50 ppm TWA; 192 mg/m³TWA	100 ppm STEL; 384 mg/m ³ STEL	
Mexico: 50 ppm TWA LMPE-PPT; 188 mg/m³ TWA LMPE-PPT		Possibility of significant uptake thro	ough the skin	
Skin - potential for cutaneous absorption	OSHA (US):	200 ppm TWA	300 ppm Ceiling	
Acetone 67-64-1 ACGIH: 500 ppm TWA 750 ppm STEL NIOSH: 250 ppm TWA; 590 mg/m³ TWA 2500 ppm IDLH (10% LEL) Europe: 500 ppm TWA; 1210 mg/m³ TWA OSHA (US): 1000 ppm TWA; 2400 mg/m³ TWA Mexico: 1000 ppm TWA LMPE-PPT; 2400 mg/m³ TWA LMPE-PPT 1260 ppm STEL [LMPE-CT]; 3000 mg/m³ STEL [LMPE-CT] Xylenes (o-, m-, p-isomers) 1330-20-7 ACGIH: 100 ppm TWA 150 ppm STEL Europe: 50 ppm TWA (pure); 221 mg/m³ TWA 100 ppm STEL (pure); 442 mg/m² STEL (pure) Possibility of significant uptake through the skin OSHA (US): 100 ppm TWA; 435 mg/m³ TWA	Mexico:	50 ppm TWA LMPE-PPT; 188 mg/	m ³ TWA LMPE-PPT	
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Europe: 500 ppm TWA; 1210 mg/m³ TWA OSHA (US): 1000 ppm TWA; 2400 mg/m³ TWA Mexico: 1000 ppm TWA LMPE-PPT; 2400 mg/m3 TWA LMPE-PPT 1260 ppm STEL [LMPE-CT]; 3000 mg/m3 STEL [LMPE-CT] Xylenes (o-, m-, p- isomers) ACGIH: 100 ppm TWA	ACGIH:	500 ppm TWA	750 ppm STEL	
OSHA (US): 1000 ppm TWA; 2400 mg/m³ TWA Mexico: 1000 ppm TWA LMPE-PPT; 2400 mg/m³ TWA LMPE-PPT 1260 ppm STEL [LMPE-CT]; 3000 mg/m³ STEL [LMPE-CT] Xylenes (o-, m-, p- isomers) ACGIH: 100 ppm TWA	NIOSH:	250 ppm TWA; 590 mg/m ³ TWA	2500 ppm IDLH (10% LEL)	
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1260 ppm STEL [LMPE-CT]; 3000 mg/m3 STEL [LMPE-CT] Xylenes (o-, m-, p- isomers) 1330-20-7 ACGIH: 100 ppm TWA	OSHA (US):	1000 ppm TWA; 2400 mg/m³ TWA		
Xylenes (o-, m-, p- isomers) ACGIH: 100 ppm TWA 150 ppm STEL Europe: 50 ppm TWA (pure); 221 mg/m³ 100 ppm STEL (pure); 442 mg/r TWA (pure) STEL (pure) Possibility of significant uptake through the skin OSHA (US): 100 ppm TWA; 435 mg/m³ TWA	Mexico:	1000 ppm TWA LMPE-PPT; 2400 mg/m3 TWA LMPE-PPT		
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Possibility of significant uptake through the skin OSHA (US): 100 ppm TWA; 435 mg/m³ TWA	ACGIH:	100 ppm TWA	150 ppm STEL	
OSHA (US): 100 ppm TWA; 435 mg/m³ TWA	Europe:		100 ppm STEL (pure); 442 mg/m ³ STEL (pure)	
		Possibility of significant uptake through the skin		
Mexico: 100 nnm TWA I MDE DDT: 425 mg/m ³ TWA I MDE DDT	OSHA (US):	100 ppm TWA; 435 mg/m³ TWA		
Mexico. 100 ppin 1 w A LWFE-FF1, 455 mg/m 1 w A LWFE-FF1	Mexico:	100 ppm TWA LMPE-PPT; 435 mg/m³ TWA LMPE-PPT		
150 ppm STEL [LMPE-CT]; 655 mg/m ³ STEL [LMPE-CT]		150 ppm STEL [LMPE-CT]; 655 mg/m ³ STEL [LMPE-CT]		

Biological limit value

There are no biological limit values for any of this product's components.

Engineering Controls

Provide local exhaust ventilation system. If necessary, use appropriate local exhaust ventilation to keep exposures below the regulated limits.

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Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

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

Skin Protection

Wear chemical resistant clothing and rubber boots when potential for contact with the material exists. Thoroughly clean and dry contaminated clothing before reuse.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow liquid	Physical State	liquid
Odor	hydrocarbon	Color yellow	
Odor Threshold	Not available	рН	Not available
Melting Point	-48 °C	Boiling Point	56 - 139 °C
Freezing point	Not available	Evaporation Rate	0.6 - 0.83
Boiling Point Range	Not available	Flammability (solid, gas)	Not available
Autoignition	223 °C	Flash Point -4 °F (-20 °C)	
Lower Explosive Limit	1.1 %	Decomposition	Not available
Upper Explosive Limit	12.8 %	Vapor Pressure	6.7 mm Hg (@ 204 °C)
Vapor Density (air=1)	2 - 3.7	Specific Gravity (water=1)	0.84
Water Solubility	Negligible	Partition coefficient: n-octanol/water	Not available
Viscosity	2500 cps	Solubility (Other)	Not available
Density	Not available	Volatility	79 - 83 %

Other Information

No information available for the product.

Section 10 - STABILITY AND REACTIVITY

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Material Name: Mule-Hide EPDM Bonding Adhesive SDS 10-2320

Reactivity

No hazard expected.

Chemical Stability

Stable under normal conditions of use.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition.

Incompatible Materials

Strong oxidizing materials, acids, bases.

Hazardous decomposition products

Oxides of carbon, oxides of nitrogen.

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

Vapor or mist may cause respiratory tract irritation. May cause central nervous system effects. May cause nausea, dizziness, drowsiness and headache.

Skin Contact

Causes skin irritation.

Eve Contact

Causes serious eye irritation.

Ingestion

May cause gastrointestinal irritation.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50: The components of this material have been reviewed in various sources and the following selected endpoints are published:

Zinc oxide (1314-13-2)

Oral LD50 Rat >5000 mg/kg

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene (68610-51-5)

Oral LD50 Rat >200 mg/kg

Dermal LD50 Rabbit >5010 mg/kg

Inhalation LC50 Rat >165 mg/L 1 h

Toluene (108-88-3)

Oral LD50 Rat 2600 mg/kg

Dermal LD50 Rabbit 12,000 mg/kg

Inhalation LC50 Rat 12.5 mg/L 4 h

Solvent naphtha, petroleum, light aliphatic (64742-89-8)

Oral LD50 Mouse 5,000 mg/kg

Dermal LD50 Rabbit 3,000 mg/kg

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Acetone (67-64-1)
Inhalation LC50 Rat 50,100 mg/m³ 8 h
Xylenes (o-, m-, p- isomers) (1330-20-7)
Oral LD50 Rat 3500 mg/kg
Dermal LD50 Rabbit >4350 mg/kg
Inhalation LC50 Rat 29.08 mg/L 4 h
Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

Immediate Effects

Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Central nervous system damage, kidney damage, liver damage, respiratory system damage, nervous system effects.

Delayed Effects

May cause respiratory irritation, central nervous system, kidneys, nervous system, blood. liver.

Irritation/Corrosivity Data

Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

Respiratory Sensitization

No information available for the product.

Dermal Sensitization

No information available for the product.

Component Carcinogenicity

Component Caremogementy	
Polychloroprene	Proprietary
IARC:	Supplement 7 [1987]; Monograph 19 [1979](Group 3 (not classifiable))
Magnesium oxide (MgO)	1309-48-4
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
Toluene	108-88-3
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 71 [1999]; Monograph 47 [1989](Group 3 (not classifiable))
Acetone	67-64-1
ACGIH:	A4 - Not Classifiable as a Human Carcinogen

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Xylenes (o-, m-, p- isomers)	1330-20-7
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 71 [1999]; Monograph 47 [1989](Group 3 (not classifiable))

Germ Cell Mutagenicity

May cause genetic defects.

Reproductive Toxicity

May damage fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

Central nervous system, kidney, liver, respiratory system. nervous system.

Specific Target Organ Toxicity - Repeated Exposure

Central nervous system, kidney, nervous system, respiratory system, blood, liver.

Aspiration hazard

Aspiration Hazard. Aspiration into the lungs may cause damage. May be fatal if swallowed and enters airways.

Medical Conditions Aggravated by Exposure

No data available.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

No additional information available.

Component Analysis - Aquatic Toxicity

Toluene	108-88-3
Fish:	LC50 96 h Pimephales promelas 15.22 - 19.05 mg/L [flow-through] (1 day old); LC50 96 h Pimephales promelas 12.6 mg/L [static]; LC50 96 h Oncorhynchus mykiss 5.89 - 7.81 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 14.1 - 17.16 mg/L [static]; LC50 96 h Oncorhynchus mykiss 5.8 mg/L [semi-static]; LC50 96 h Lepomis macrochirus 11 - 15 mg/L [static]; LC50 96 h Oryzias latipes 54 mg/L [static]; LC50 96 h Poecilia reticulata 28.2 mg/L [semi-static]; LC50 96 h Poecilia reticulata 50.87 - 70.34 mg/L [static]
Algae:	EC50 96 h Pseudokirchneriella subcapitata >433 mg/L IUCLID; EC50 72 h Pseudokirchneriella subcapitata 12.5 mg/L [static] EPA
Invertebrate:	EC50 48 h Daphnia magna 5.46 - 9.83 mg/L [static] EPA; EC50 48 h Daphnia magna 11.5 mg/L IUCLID

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Solvent naphtha, petroleum, light aliphatic	64742-89-8	
Algae:	EC50 72 h Pseudokirchneriella subcapitata 4,700 mg/L IUCLID	
Acetone	67-64-1	
Fish:	LC50 96 h Oncorhynchus mykiss 4.74 - 6.33 mL/L; LC50 96 h Pimephales promelas 6,210 – 8,120 mg/L [static]; LC50 96 h Lepomis macrochirus 8,300 mg/L	
Invertebrate:	EC50 48 h Daphnia magna 10,294 – 17,704 mg/L [static] EPA; EC50 48 h Daphnia magna 12,600 – 12,700 mg/L IUCLID	
Xylenes (o-, m-, p- isomers)	1330-20-7	
Fish:	LC50 96 h Pimephales promelas 13.4 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 2.661 - 4.093 mg/L [static]; LC50 96 h Oncorhynchus mykiss 13.5 - 17.3 mg/L; LC50 96 h Lepomis macrochirus 13.1 - 16.5 mg/L [flow-through]; LC50 96 h Lepomis macrochirus 19 mg/L; LC50 96 h Lepomis macrochirus 7.711 - 9.591 mg/L [static]; LC50 96 h Pimephales promelas 23.53 - 29.97 mg/L [static]; LC50 96 h Cyprinus carpio 780 mg/L [semi-static]; LC50 96 h Cyprinus carpio >780 mg/L; LC50 96 h Poecilia reticulata 30.26 - 40.75 mg/L [static]	
Algae:	EC50 72 h Pseudokirchneriella subcapitata 11 mg/L IUCLID (related to Aromatic hydrocarbons, C7-12, C8-rich)	
Invertebrate:	EC50 48 h water flea 3.82 mg/L; LC50 48 h Gammarus lacustris 0.6 mg/L	

Persistence and Degradability

No data available.

Bioaccumulative Potential

No data available.

Mobility

No data available.

Other Toxicity

No information available for the product.

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Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose in accordance with all applicable regulations.

Section 14 - TRANSPORT INFORMATION

US DOT Information: Shipping Name: Adhesive

Hazard Class: 3 UN/NA #: UN1133 Packing Group: II Required Label(s): 3

TDG Information:

Shipping Name: Adhesive

Hazard Class: 3 UN#: UN1133 Packing Group: II Required Label(s)

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 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Toluene	108-88-3
SARA 313:	1 % de minimis concentration
CERCLA:	1,000 lb final RQ; 454 kg final RQ
Acetone	67-64-1
CERCLA:	5,000 lb final RQ; 2,270 kg final RQ
Xylenes (o-, m-, p- isomers)	1330-20-7

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SARA 313:	1 % de minimis concentration
CERCLA:	100 lb final RQ; 45.4 kg final RQ
TSCA 12b:	Section 4, 1 % de minimus concentration (related to Hydrocarbons, C>4)

SARA Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: Yes Chronic Health: Yes Fire: Yes Pressure: No Reactivity: No

U.S. State Regulations

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

Component	CAS	CA	MA	MN	NJ	PA
Magnesium oxide (MgO)	1309-48-4	Yes	Yes	Yes	Yes	Yes
Toluene	108-88-3	Yes	Yes	Yes	Yes	Yes
Acetone	67-64-1	Yes	Yes	Yes	Yes	Yes
Xylenes (o-, m-, p- isomers)	1330-20-7	Yes	Yes	Yes	Yes	Yes

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 reproductive/developmental effects

Toluene	108-88-3
Repro/Dev. Tox	developmental toxicity, initial date 1/1/91
	female reproductive toxicity, initial date 8/7/09

Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on SDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Magnesium oxide (MgO)	1309-48-4
	1 %
Toluene	108-88-3
	1 %
Acetone	67-64-1
	1 %

Component Analysis - Inventory

Polychloroprene (Proprietary)

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US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	No	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Magnesium oxide (MgO) (1309-48-4)

US	CA	EU	AU	РН	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Toluene (108-88-3)

US	CA	EU	AU	РН	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Solvent naphtha, petroleum, light aliphatic (64742-89-8)

US	CA	EU	AU	РН	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes

Acetone (67-64-1)

U	S	CA	EU	AU	РН	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Y	es	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes

Xylenes (o-, m-, p- isomers) (1330-20-7)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	No	No	No	No	Yes	No	Yes	No	No	No	Yes

Section 16 - OTHER INFORMATION

NFPA Ratings

Health: 2 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Summary of Changes

Revision Date: March 29, 2022

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Material Name: Mule-Hide EPDM Bonding Adhesive SDS 10-2320

Revision Note: General Update

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD -Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA -Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of LIsts™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH -Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

Other Information

Reasonable care has been taken in the preparation of this information; however, the manufacturer makes no warranty whatsoever including the warranty of merchantability, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental, consequential, or other such damages resulting from its use or misuse.

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