MULE-HIDE # 210 PLASTIC CEMENT

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 5/18/2015 Revision date: 11/16/2022 Supersedes: 5/18/2015 Version: 2.0

SECTION 1: Identification

1.1. Identification

Product form	:	Mixture
Product name	:	MULE-HIDE # 210 PLASTIC CEMENT
Product code	:	MUL-210
Formula	:	700-TRO-801

1.2. Recommended use and restrictions on use

Use of the substance/mixture	:	Roofing/Waterproofing

1.3. Supplier

MULE-HIDE PRODUCTS CO., INC
1195 PRINCE HALL DRIVE
BELOIT, WI, 53511
United States
T (608)365-3111
INVOICE@MULEHIDE.COM

1.4. Emergency telephone number

Emergency number	:	800-424-9300 Chemtrec

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Germ cell mutagenicity Category 1B	H340	May cause genetic defects (Dermal, Inhalation)
Carcinogenicity Category 1B	H350	May cause cancer (Inhalation, Dermal)
Specific target organ toxicity (repeated exposure) Category 1	H372	Causes damage to organs (central nervous system, eyes, Skin, lungs, liver) through prolonged or repeated exposure (Dermal, Inhalation)

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US)	:	Danger
Hazard statements (GHS US)	:	H340 - May cause genetic defects (Dermal, Inhalation) H350 - May cause cancer (Inhalation, Dermal) H372 - Causes damage to organs (central nervous system, eyes, Skin, lungs, liver) through prolonged or repeated exposure (Dermal, Inhalation)
Precautionary statements (GHS US)	:	P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P260 - Do not breathe fume, gas, vapors.

P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves, protective clothing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P314 - Get medical advice/attention if you feel unwell.
P405 - Store locked up.
P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : None under normal conditions.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
asphaltic bitumen, not cut back	CAS-No.: 8052-42-4	60 – 80	Not classified
kaolin	CAS-No.: 1332-58-7	15 – 30	Not classified
Stoddard solvent	CAS-No.: 8052-41-3	20 – 25	Muta. 1B, H340 Carc. 1B, H350 STOT RE 1, H372 Asp. Tox. 1, H304
attapulgite	CAS-No.: 12174-11-7	5 – 10	Not classified
cellulose	CAS-No.: 9004-34-6	3 – 7	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms	:	Based on available data, the classification criteria are not met.
Symptoms/effects	:	Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	:	May cause an allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause an allergic skin reaction.
Symptoms/effects after skin contact	:	May cause an allergic skin reaction. May cause moderate irritation.
Symptoms/effects after eye contact	:	Eye irritation.
Symptoms/effects after ingestion	:	No data available.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	:	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	:	Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	:	Highly flammable liquid and vapor.
Explosion hazard	:	Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May form flammable/explosive vapor-air mixture.
Hazardous decomposition products in case of fire	:	Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	:	Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Absorb spillage to prevent material-damage. Isolate from fire, if possible, without unnecessary risk. No flames, no sparks. Eliminate all sources of ignition. Remove ignition sources.

6.1.1. For non-emergency personnel

Protective equipment	:	Protective clothing. Gloves.
Emergency procedures	:	Evacuate unnecessary personnel. No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray.

6.1.2. For emergency responders

Protective equipment	:	Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	:	Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	:	Collect spillage.
Methods for cleaning up	:	Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.
Other information	:	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapors/spray.
Handling temperature	:	< 110 (≤ 100) °F
Hygiene measures	:	Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Ground/bond container and receiving equipment.
Storage conditions	:	Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Incompatible products	:	Strong bases. Strong acids.
Incompatible materials	:	Sources of ignition. Direct sunlight.
Storage temperature	:	< 43 °C
Heat-ignition	:	KEEP SUBSTANCE AWAY FROM: ignition sources.
Information on mixed storage	:	No data available.
Storage area	:	Meet the legal requirements.
Special rules on packaging	:	Keep only in original container. meet the legal requirements. Store in a closed container. correctly labelled.
Packaging materials	:	No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

asphaltic bitumen, not cut back (8052-42-4)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	0.5 mg/m³ (Inhalable fraction)

attapulgite (12174-11-7)
No additional information available

cellulose (9004-34-6)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Cellulose
ACGIH OEL TWA	10 mg/m³
Remark (ACGIH)	NA URT irr

kaolin (1332-58-7)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Kaolin
ACGIH OEL TWA	2 mg/m³
Remark (ACGIH)	Pneumoconiosis

Stoddard solvent (8052-41-3)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Stoddard solvent
ACGIH OEL TWA [ppm]	100 ppm
Remark (ACGIH)	Eye, skin, & kidney dam;
USA - OSHA - Occupational Exposure Limits	
Local name	Stoddard solvent
OSHA PEL TWA [1]	2900 mg/m³
OSHA PEL TWA [2]	500 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Avoid all unnecessary exposure.

Hand protection:
Wear protective gloves.

Eye protection:
Chemical goggles or safety glasses. Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
Wear appropriate mask. Wear respiratory protection.

Personal protective equipment symbol(s):



Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	BLACK FIBERED MASTIC.
Color	:	Black
Odor	:	Petroleum-like odour
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	> 300 (≤ 450) °F
Flash point	:	106 °F
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	Non flammable.
Vapor pressure	:	0.293 kPa at 20 C
Relative vapor density at 20 °C	:	No data available
Relative density	:	1.02 – 1.12
Density	:	8.5 – 9.3
Solubility	:	Water: 0 % Organic solvent:≈ 100 %
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	> 100 mm²/s
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available.
Oxidizing properties	:	No data available.

9.2. Other information

VOC content	:	< 250 (≤ 250) g/l
Percent Solids	:	> 75 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapor.

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Lack of data)
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

asphaltic bitumen, not cut back (8052-42-4)	
LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 0.094 mg/l (OECD 403: Acute Inhalation Toxicity, 4.5 h, Rat, Male / female, Experimental value, No effect, Inhalation (mixture of vapour and aerosol), 14 day(s))

cellulose (9004-34-6)	
LD50 oral rat	> 5000 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit, Dermal)
LC50 Inhalation - Rat	> 6 mg/l (4 h, Rat, Inhalation)

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : May cause genetic defects (Dermal, Inhalation).
Carcinogenicity : May cause cancer (Inhalation, Dermal).
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Causes damage to organs (central nervous system, eyes, Skin, lungs, liver) through prolonged or repeated exposure (Dermal, Inhalation).

Stoddard solvent (8052-41-3)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified
Viscosity, kinematic : > 100 mm²/s
Likely routes of exposure : Inhalation. Skin and eye contact.
Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation : May cause an allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause an allergic skin reaction.

Symptoms/effects after skin contact : May cause an allergic skin reaction. May cause moderate irritation.

Symptoms/effects after eye contact : Eye irritation.

Symptoms/effects after ingestion : No data available.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

cellulose (9004-34-6)	
LC50 - Fish [1]	> 100 mg/l (Pisces)
EC50 - Crustacea [1]	> 100 mg/l (Invertebrata)

12.2. Persistence and degradability

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Persistence and degradability	Not established.

asphaltic bitumen, not cut back (8052-42-4)	
Persistence and degradability	Not readily biodegradable in water.

attapulgite (12174-11-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

cellulose (9004-34-6)	
Persistence and degradability	Biodegradable in water.

kaolin (1332-58-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

MULE-HIDE # 210 PLASTIC CEMENT	
Bioaccumulative potential	Not established.

asphaltic bitumen, not cut back (8052-42-4)	
Bioaccumulative potential	No bioaccumulation data available.

attapulgite (12174-11-7)	
Bioaccumulative potential	No bioaccumulation data available.

cellulose (9004-34-6)	
Bioaccumulative potential	Bioaccumulation: not applicable.

kaolin (1332-58-7)	
Bioaccumulative potential	No bioaccumulation data available.

Stoddard solvent (8052-41-3)	
Partition coefficient n-octanol/water (Log Pow)	3.16 – 7.06

12.4. Mobility in soil

asphaltic bitumen, not cut back (8052-42-4)	
Ecology - soil	No (test)data on mobility of the substance available.

attapulgite (12174-11-7)	
Ecology - soil	No (test)data on mobility of the substance available.

Stoddard solvent (8052-41-3)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.85 – 6.74 (log Koc)

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Additional information : Flammable vapors may accumulate in the container.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

DOT NA No : Combustible Liquid - DOT 49 CFR 173.150 SUB.PAR.F. Unregulated
UN-No. (TDG) : UN 1999
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable
Proper Shipping Name (TDG) : Tars, liquid
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not applicable

TDG
Transport hazard class(es) (TDG) : 3

IMDG
Transport hazard class(es) (IMDG) : Not applicable

IATA
Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (DOT) : III
Packing group (TDG) : III
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT
UN-No.(DOT) : Combustible Liquid - DOT 49 CFR 173.150 SUB.PAR.F. Unregulated

TDG
UN-No. (TDG) : UN 1999

IMDG
No data available

IATA
No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

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Not subject to reporting requirements of the United States SARA Section 313

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
asphaltic bitumen, not cut back	8052-42-4	Present	Active	
attapulgite	12174-11-7	Present	Inactive	
cellulose	9004-34-6	Present	Active	XU
kaolin	1332-58-7	Present	Active	XU
Stoddard solvent	8052-41-3	Present	Active	XU

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

MULE-HIDE # 210 PLASTIC CEMENT	
U.S. - California - Proposition 65 - Carcinogens List	Yes
U.S. - California - Proposition 65 - Developmental Toxicity	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Female	No
U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No

attapulgite (12174-11-7)					
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No		

Component	State or local regulations
asphaltic bitumen, not cut back(8052-42-4)	U.S. - New Jersey - Right to Know Hazardous Substance List
cellulose(9004-34-6)	U.S. - New Jersey - Right to Know Hazardous Substance List
kaolin(1332-58-7)	U.S. - New Jersey - Right to Know Hazardous Substance List
Stoddard solvent(8052-41-3)	U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 11/16/2022

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H-phrases	
H304	May be fatal if swallowed and enters airways
H340	May cause genetic defects
H350	May cause cancer
H372	Causes damage to organs through prolonged or repeated exposure

Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II IIIA)

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : p - Gloves

Safety Data Sheet (SDS), USA

All information contained in this MSDS is based on current technical data believed to be accurate and reliable. Additions of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since these conditions are outside our control, we furnish this MSDS without any express or implied warranties.