

MATERIAL SAFETY DATA SHEET

Mule Hide Products Co., Inc.
P.O. Box 1057
Beloit, WI 53512
800-786-1492

Date Prepared: 1/01/2007
Date Printed: 1/01/2007

MSDS SHEET EAC-011

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Mule-Hide Liqui-Thix© Non-Newtonian
Rheological Modifier
Chemical Name N/A
Manufacturer Mule-Hide Products Co., Inc.
Address P.O. Box 1057
Beloit, WI 53512-1057
Phone 608-365-3111
Internet www.mulehide.com
Emergency Phone 800-424-9300 Chemtrec
MSDS Number EAC-011
Effective Date October 15, 2001
nNFPA Rating Health 1, Flammability 0, Reactivity 0
0-least, 1-slight, 2-moderate, 3-high, 4-extreme

SECTION 2 - PRODUCT INGREDIENTS

Ingredient Name	CAS Number	% Weight	Exposure Limit (OSHA PEL)	Exposure Limit (ACGIH TLV)
None	NA	NA	NA	NA

SECTION 3 - PHYSICAL/CHEMICAL DATA

Properties	Unit	Data
Appearance	N/A	White Liquid
Boiling point	(Deg. F)	.212
Evaporation Rate	(N-Butyl Acetate = 1)	<1
Flash Point	(Deg. F)	>212
Melting Point	(Deg. c-)	Same as Water
Odor	N/A	Acrylic Odor
Ph (undiluted product)	N/A	N/A
Saturation in air	%	N/A
Solids Content	N/A	N/A
Specific gravity	lbs/gal	1.8
Vapor Density	Air = 1	<1
Vapor Pressure	(MM HG § 68 deg. F)	12.0
Viscosity	cP	N/A
VOC	g/liter	N/A
Volatility	%	36
Water solubility	%	Dilutable

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SECTION 4 - FIRE AND EXPLOSION DATA

Flammability Properties

Flashpoint (deg. F):	>212
Lower Flammable Limits	N/A
Upper Flammable Limits	N/A
Auto Ignition (deg. F)	N/A

Fire Extinguishing Media

Product will not burn until all water content has evaporated. Use carbon dioxide, dry chemical, foam or water spray.

Special Fire Fighting Procedures

As a precaution, fire fighters should wear self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

Decomposition products may be toxic.

SECTION 5 - HAZARD IDENTIFICATION

Toxicity

Follow all federal, state, and local regulations.

Routes and Effects of Exposure

Eyes, skin, inhalation, and ingestion.

Eyes

Exposure may cause mild eye irritation.

Skin

Exposure may cause mild skin irritation.

Inhalation

Excessive inhalation of vapors or mists can cause nasal and respiratory irritation.

Ingestion

May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Effects of Chronic Overexposure

May cause minor irritation to sensitive individuals. No known effects from chronic overexposure.

Medical Conditions Aggravated by Exposure

None known

Signs and Symptoms of Exposure

May cause minor irritation to eyes, skin, or throat.

SECTION 6 - FIRST AID PROCEDURES

Eye Contact

Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, consult a physician.

Skin Contact

Thoroughly wash exposed skin areas with soap and water.

Inhalation

If affected, remove individual to fresh air.

Ingestion

If conscious, give 3 to 4 glasses of water to dilute. Consult a physician. Induce vomiting only under qualified medical direction. Do not give anything by mouth to an unconscious person.

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SECTION 7 - STABILITY/REACTIVITY DATA

Stability

Stable under normal conditions.

Conditions to Avoid

None Known

Incompatibility (Materials to avoid)

None Known

Hazardous Polymerization

Will not occur.

Hazardous Combustion and Decomposition Products

Carbon monoxide, carbon dioxide, and traces of nitrogen.

SECTION 8 - HANDLING, USE, AND DISPOSAL

Procedures for Spills/Leaks

Cover with an absorbent material and transfer to a closed container.

Storage

Keep from freezing. Close container after use.

Practice safe working procedures and good personal hygiene. Use protective equipment when necessary. Wash hands thoroughly after handling, especially before eating, drinking, smoking or using toilet facilities.

Waste Disposal Method

Dispose of material in accordance with applicable local, county, state and federal regulations.

SECTION 9 - EXPOSURE CONTROL/PERSONAL PROTECTION

Eye

Safety glasses at a minimum

Ventilation

General local ventilation should be sufficient.

Respiratory

None Required.

Protective Clothing

The use of impervious (rubber or better) gloves is advised to prevent skin contact, or injury (see your safety equipment supplier). Utilize a chemical resistant apron and/or other impervious clothing to minimize repeated or prolonged skin contact.

Work/Hygienic Practices

Wash hands thoroughly after handling, especially before eating, drinking, smoking or using toilet facilities.

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SECTION 10 - TRANSPORTATION

Shipping Name Not regulated as a hazardous material for transport.
Labeling N/A
Labeling Required None required.
Hazard Class N/A

SECTION 11 - MISCELLANEOUS INFORMATION

Other Precautions

Product may corrode, degrade, or otherwise react with some metals and plastics upon prolonged contact. Consult with equipment supplier for proper construction materials for storage tanks, mixers, fittings, pipes and other storage and handling equipment.

Containers of this material may be hazardous when emptied, because emptied containers retain residues (vapors, liquids and/or solids), all hazard precautions given in this data sheet must be observed.

Additional Information

Contact Mule-Hide at 608-365-3111

MSDS Revision Summary

Revision Date January 1, 2007
Reason for Change New format

Disclaimer

The responsibility to provide a safe workplace is with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and to develop work practices and procedures for a safe environment.

The information herein has been compiled from sources believed to be reliable, and is accurate to the best of our knowledge. However, Mule-Hide Products Co., Inc. cannot give any guarantees regarding information from other sources, and expressly does not make any warranties, nor assume any liability for its use.

The OSHA Permissible Exposure Limits (PEL'S) contained in this Material Safety Data Sheet are the current limits as listed in the June 1993 Air Contaminants Final Rule, specified in Tables Z-1, Z-2, and Z-3 (Federal Register, 58:35338-35351, June 30, 1993; corrected in Federal Register, 58:40191, July 27, 1993; and subsequent amendments).

This is the end of MSDS