

**MATERIAL SAFETY DATA SHEET**

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

Date Prepared: 1/01/2007

MSDS 10-9625

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** Mule-Hide A-300 Finish  
**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](http://www.mulehide.com)  
**Emergency Phone** 800-424-9300 Chemtrec  
**MSDS Number** EAC-005  
**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)
Calcium Carbonate	1317-65-3	30-40	15 mg/m <sup>3</sup> 10	mg/m <sup>3</sup>
Titanium Dioxide	13463-67-7	5-6	15 mg/m <sup>3</sup> 10	mg/m <sup>3</sup>
Zinc Oxide	1314-13-2	2-4	5 mg/m <sup>3</sup> 5	mg/m <sup>3</sup>
Ethylene Glycol	107-21-1	1-2	None Established	50 ppm

**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	kg/l	1.438
Vapor Density	Air = 1	<1
Vapor Pressure	(MM HG § 68 deg. F)	17.0
Viscosity	cP	N/A
VOC	g/lite	N/A
Volatility	%	36
Water solubility	%	Indinitely 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, firefighters 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**

Acute exposure may be cause minor irritation to sensitive individuals. No know effects from chronic overexposure.

#### **Medical Conditions Aggravated by Exposure**

None Known

#### **Signs and Symptoms of Exposure**

May cause minor irritation to skin, eyes 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 are 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