

# SAFETY DATA SHEET

Date Prepared: 5/09/2016

Date Modified: 00/00/0000

Date Printed: 5/16/2016

## 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

MATERIAL IDENTITY: Urethane Polymer  
Cured Polyurethane

INFORMATION TELEPHONE: 920-645-6205  
800-526-2464

COMPANY:  
Hydraulic Mudpumps, Inc  
1025 E. Albert Drive  
Manitowoc, WI 54220

EMERGENCY TELEPHONE:  
CHEMTREC: 800-424-9300

## 2. HAZARDS IDENTIFICATION

The primary adverse health effects of this material are related to dust generated by sanding, grinding or cutting the cured foam. Mechanical ventilation or respiratory protection should be provided during this type of use.

### Emergency overview (Dust)

Target Organ Effect: Irritant

Target Organs: Respiratory, Eyes, Skin

### GHS Classification, Labeling, Precautionary Statements (Dust)

Health		Environmental		Physical
Skin Irritant	Category 4	Not Classified	N/A	Not Classified
Eye Irritant	Category 3			

Pictogram: None

Signal Word: None

Hazard Statements	Precautionary Statements
Dust may cause eye irritation. Dust may cause respiratory irritation.	Do not breathe dust. Wear protective gloves / eye protection / face protection IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical Characterization:

Ingredient(s)	CAS Number	% (by weight)
Polyurethane elastomers are fully reacted polymers forming articles that are not considered hazardous per OSHA 29 CFR 1910.1200		

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## 4. FIRST AID MEASURES

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**Inhalation:** Move to fresh air if symptoms develop. If breathing is difficult, give oxygen and call physician.

**Eye Contact:** Flush with water for at least 15 minutes. See a physician if irritation develops.

**Ingestion:** N/A

**Skin Contact:** Wash with soap and water.

**Indication of immediate medical attention and special treatment, if applicable:** N/A

**Most Important symptoms and effects, acute and delayed:** Acute eye or respiratory irritation, characterized by eye watering, coughing or sneezing. Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

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**Suitable extinguishing media:** Water, dry chemicals, CO<sub>2</sub>.

**Unsuitable extinguishing media:** None

**Special hazards arising from the chemical:** Rigid foam dust from fabricating operations is an irritant and is flammable. Dust should be collected at the point of generation and stray dust should be regularly swept up.

Large amounts of rigid polyurethane foam assembled in one place, such as processing into finished products or in storage, present a potential fire hazard. Once ignited, these foams may spread flame rapidly and produce intense heat, dense smoke and toxic gases. Raw foam and fabricated items should be stored indoors, away from fabricating operations, and be protected by automatic sprinklers. Access aisles should be maintained between foam piles.

**Precautions for fire-fighters:** A self-contained breathing apparatus should be worn to protect against toxic and irritating vapors.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions, protective equipment, and emergency procedures:** Remove ignition sources. Wear eye and respiratory protection from dust.

**Environmental Precautions:** None.

**Methods and Materials for Containment and Cleaning Up:** Waste material should be disposed of under conditions which meet federal, state, and local environmental regulations.

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## 7. HANDLING AND STORAGE

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**Precautions for Safe Handling:** N/A

**Conditions for Safe Storage, including any incompatibilities:** N/A

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits

HAZARDOUS COMPONENT	Type	Value
Polyurethane Foam		None

\*\* Not listed as a carcinogen (NTA, IARC, OSHA)

### Exposure Controls

**Respiratory Protection:** Dust mask when fabricating or cutting.

**Hand, eye, skin, body protection:** Wear goggles or chemical safety glasses and chemically resistant rubber or plastic gloves. Avoid eye and skin contact. Eye wash system and showers should be available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Chemical and physical properties

<b>Appearance:</b>	Solid	<b>Flammability:</b>	N/A
<b>Color:</b>	Tan or other characteristic color	<b>Upper / lower flammability or explosive limits:</b>	N/A
<b>Odor:</b>	Slight	<b>Vapor Pressure:</b>	N/A
<b>Odor threshold:</b>	N/A	<b>Vapor Density:</b>	N/A
<b>pH:</b>	N/A	<b>Relative Density:</b>	0.016 – 0.4 g/mL
<b>Melting pt / freezing pt:</b>	N/A	<b>Solubility(ies):</b>	N/A
<b>Boiling pt / Boiling range:</b>	N/A	<b>Partition coefficient (n-octanol/water):</b>	N/A
<b>Flash Point:</b>	N/A	<b>Auto-ignition temperature:</b>	>700°F
<b>Evaporation rate:</b>	Slower than ether	<b>Decomposition temperature:</b>	>300°F

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable.

**Possibility of Hazardous Reactions:** N/A

**Conditions to Avoid:** Avoid temperatures above 800°F

**Incompatible Materials:** N/A

**Hazardous Decomposition Products:** When foam burns it produces a large volume of dense smoke.

## 11. Toxicological Information

**Acute Toxicity:** May cause skin irritation or respiratory irritation.

**Chronic Toxicity:** Not available

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**Likely route of exposure:** Skin or inhalation of dust.

**Symptoms related to physical, chemical and toxicological characteristics:** May cause skin irritation or respiratory irritation

**Delayed and immediate effects and chronic effects from short and long-term exposure:** Watering eyes, irritation; coughing or sneezing from dust.

**Numerical toxicity measures:** Not available.

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## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity:** Not a marine pollutant.

**Persistence and degradability:** No known significant effects

**Bioaccumulative potential:** Does not bioaccumulate

**Mobility in soil:** None.

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## 13. DISPOSAL CONSIDERATIONS

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**Waste Disposal:** Landfill as ordinary industrial waste in compliance with pertinent regulations.

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## 14. TRANSPORTATION INFORMATION

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**UN Number:** Not Regulated

**UN Proper shipping name:** Not Regulated

**Transport Hazard Class(es):** Not Regulated

**Packing group, if applicable:** Not Regulated

**Marine Pollutant:** No

**Special Precautions:** None

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## 15. REGULATORY INFORMATION

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### Relevant safety, health, and environmental regulations:

**TSCA Inventory Status:** All components listed.

**US Regulations:** No ingredients listed.

**US Superfund Amendments and Reauthorization Act (SARA) Title III Section 313 Information:** No ingredients listed.



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## 16. OTHER INFORMATION

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Polyurethane elastomers are fully reacted polymers forming articles that are not considered hazardous per OSHA 29 CFR 1910.1200

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this SDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. This SDS has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

\*Note – qualifiers and codes that may be used in this MSDS

EQ=Equal; AP= Approximately; LT= Less Than; GT = Greater Than; TR =Trace; UK = Unknown;  
N/AP = Not Applicable; N/P = No Applicable Information Found; N/DA = No Data Available;  
NE = Not Established