



## Material Safety Data Sheet Magnethane Compound

January 2015

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|                         |                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>     | Magnethane™<br>(Trademarked Product of Beltservice Corporation)                                                     |
| <b>MSDS Prepared By</b> | Siftex Equipment Company Inc.                                                                                       |
| <b>Chemical Name</b>    | Polyurethane thermoplastic elastomer, TPUR.                                                                         |
| <b>OHSA Status</b>      | Non-hazardous, no hazardous ingredients subject to reporting under the Toxic Chemical Release Inventory (SARA 313). |

### 2. COMPOSITION INFORMATION ON INGREDIENTS

(All components of this product are either listed on or exempt from listing on the TSCA inventory)

| Hazardous Ingredients  | CAS # | Weight % | Exposure Limts (ACGIH/TLV/ OSHA/PEL) | VP (mmHG) |
|------------------------|-------|----------|--------------------------------------|-----------|
| Chromium III Compounds | NA    | 5-20     | .05 mg/m <sup>3</sup>                | 0         |

### 3. HAZARDS IDENTIFICATION

**Hazard Ratings:** Health-0, Fire-1, Chemical Reactivity-0, PPI: A

**Permissible Exposure Level:** This is a polymeric compound. All ingredients are encapsulated by the polymer and present no likelihood of exposure under normal conditions of processing and handling.

**Effects of Overexposure:**

**Acute or Immediate Effects:**

**Ingestion:** Not a probable route of exposure.

**Skin:** Pellets are not likely to cause irritation. Contact with molten material may cause thermal burns. Processing fumes may cause irritation.

**Eyes:** Solid/dust may cause irritation due to mechanical action. Processing fumes may cause irritation.

**Inhalation:** Processing fumes may cause irritation (possibly severe) to the respiratory tract.

**Chronic Effects:** None known for this compound.

### 4. FIRST-AID MEASURES

**Inhalation:** Leave exposed area and seek fresh air. If irritation persists seek medical attention.

**Eyes:** Flush with water. Consult physician if symptoms persist.

**Skin:** Wash with soap and water. For thermal burns, immediately flush with cold water. Do not attempt to remove polymer from skin. Obtain medical attention.



## 5. FIRE FIGHTING MEASURES

**Flammability Class:** 1      **Flash Point:** None      **LEL:** None      **UEL:** None

**Extinguishing Media:** Water spray and foam. Water spray is preferred. Dry chemical / CO<sub>2</sub> not generally recommended due to lack of cooling and risk of re-ignition.

**Special Fire-Fighting Procedures:** Persons exposed to products of combustion should wear NIOSH approved self contained breathing apparatus and full protective equipment.

**Unusual Fire and Explosion Hazards:** This compound has no unusual fire or explosion hazards.

## 6. ACCIDENTAL RELEASE MEASURES:

**Steps to be taken in case material is released or spilled:** Spilled pellets may cause a slipping hazard. Sweep area as needed.

## 7. HANDLING AND STORAGE

**Precautions to be taken in handling and storage:** Store in a dry, sprinkler equipped warehouse. Product as shipped is not a combustible dust. Mechanical handling can cause the formation of dusts. To reduce the risk for dust explosion do not permit dust to accumulate.

**Other Precautions:** Proper purging and shut down procedures should be followed to avoid overheating of this compound.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

A NIOSH approved respirator is recommended for protection against processing fumes, or from dust generated from grinding, sanding, or sawing operations. Avoid breathing process vapors.

**Ventilation:** Local exhaust is preferred.

**Protective Gloves:** Canvas or cotton gloves are recommended.

**Eye Protection:** Safety glasses with side shields are recommended.

**Other Protective Equipment:** None.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range:** None

**Evaporation Rate:** Unavailable

**Volatiles: Volume % - N/AP    Weight % - N/AP**

**Appearance:** Cylindrical Pellets, No Odor

**Vapor Density:** Non volatile

**Specific Gravity:** 2.08



## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Incompatibility:** Strong oxidizing agents.

**Hazardous Polymerization:** Will Not Occur.

**Conditions to Avoid:** Avoid temperatures above 260°C (500° F). Do not hold product for extended periods of time at elevated temperatures or allow thick masses of hot polymer to accumulate because they can decompose emitting hazardous gases.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, tetrahydrofuran, nitriles, amines, nitrogen oxides. Traces of diphenylmethane, diisocyanate (MDI), aliphatic and aromatic hydrocarbons, aldehydes, acids, and hydrogen cyanide may also be formed.

## 11. TOXICOLOGY INFORMATION

**Toxicity Data:** No specific toxicological information is available. Under decomposition conditions, isocyanates may be generated from this product. Isocyanates can cause skin sensitization and/or respiratory sensitization.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No specific ecological information is available. This material is considered to be non-biodegradable.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** The pellets, regrind, and purge of this material are non-hazardous and may be discarded in accordance with state, federal and local regulations.

## 14. TRANSPORT INFORMATION

**DOT Shipping Info:** Not regulated under US Department of Transportation.

## 15. REGULATORY INFORMATION

**Sara Title III Section 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372: N/Applicable  
Chromium III Compounds

Disclaimer: The data provided is intended as a guide only and should not be interpreted as a warranty. It is not intended to be used to determine the suitability of the product for any specific customer application. Siftex strongly suggests that each customer thoroughly test the prospective product in their own manufacturing facility to determine the actual suitability of the product in their specific application.