



# Material Safety Data Sheet

Noble Polymers  
4855 Thirty-Seventh St. SE  
Grand Rapids, MI 49512

Phone: (616) 975-4987  
Fax: (616) 975-4803  
Prepared: 11/19/07  
Updated: 11/19/07

**Product Name: Flextuff 2000**

**MSDS Date:** 11/19/07  
**Product Name:** Flextuff 2000

## I. Product Identification

### Chemical Composition

Component	CAS#	%Composition
Hydrous magnesium silicate	14807-96-6	10 - 20

### HMIS Hazard Ratings

Health Hazard 1                      Fire Hazard 0                      Reactivity 0

### SARA Title III Hazard Categories (See Section IX)

Immediate (Acute) Health: No                      Reactive Hazard: No  
Delayed (Chronic) Health: No                      Sudden Release of Pressure: No

**Chemical Formula:** NA

## II. Health Hazard Information

**Emergency overview**      Caution-May cause eye and skin irritation

### **Potential short term health effects**

**Results of exposure**      Eye, skin contact, inhalation, ingestion

**Eyes:**                      Polymer dusts may cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation persists.

**Skin:**                      Substance may cause slight skin irritation. Contact with molten material may cause thermal burns. Obtain medical attention for treatment.



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**Inhalation:** Inhalation of vapor/fumes from molten product may cause respiratory tract irritation.

**Ingestion:** Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

**Target organs:** Eyes, Skin.

**Chronic effects:** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**Signs and symptoms:**  
Symptoms may include redness, edema, drying, defatting and cracking of the skin.

**III. Fire and Explosion Data**

Flash Point: NA                      Auto ignition Temperature: NA

Flammable Limits in Air % by volume - Upper: NA  
Lower: NA

**Extinguishing Media**

Use appropriate extinguishing media for surrounding fire.

**IV. Special Protection**

**Ventilation Requirements**

Component	Exposure limits		
	ACGIH	NIOSH	OSHA-PELs
Non-Hazardous Proprietary Polymer Mixture	Not Established	Not Established	Not Established

**Engineering Controls:**  
General ventilation is normally adequate.

**Exposure limits:**  
Hydrous magnesium silicate                      ACGIH-TLV  
TWA: 2 mg/m3  
OSHA-PEL  
TWA: 2 mg/m3

**Personal Protective Equipment**

**Respiratory:** Follow the OSHA respirator regulations found in 29CFR 1910.134 when exposure limits may be exceeded. Always use a NIOSH approved respirator when necessary.

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**Eye:** Use chemical safety goggles. Where contact with this material in molten form is likely, chemical goggles combined with a full-face shield is recommended for full protection.

**Skin:** Use protective clothing impervious to the material. Select gloves-temperature resistant gloves, boots, apron or full body suit depending on the operation. Use at a minimum, long-sleeved work clothes, impervious disposable gloves and shoe covers to prevent skin contact from hot or molten material.

**Respiratory protection:** Not normally required if good ventilation is maintained.

**General hygiene considerations:** Handle in accordance with good hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling product..

### V. Physical Data

Boiling Point: NA  
Melting Point: NA  
Vapor Pressure: NA  
Vapor Density: NA  
Solubility in Water: Insoluble  
Specific Gravity:  
pH: NA  
Odor: odorless  
Appearance: Pellet  
Color: Natural

### VI. Reactivity Data

**Chemical Stability:** Stable  
**Incompatibility:** Strong oxidizing agents. Acids. Chlorine.  
**Conditions to Avoid:** Do not mix with other chemicals  
**Hazardous Decomposition Products:** May include and are not limited to Oxides of carbon  
**Possibility of hazardous reactions:** Hazardous polymerization will not occur

### VII. Handling and Storage

**Handling:** Use good industrial hygiene practices in handling this material.

**Storage:** Keep out of reach of children. Store in a closed container and away from incompatible materials.

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### VIII. Environmental Procedures

**Steps to be taken if material is released or spilled:** Sweep up product and place into compatible containers for reuse or disposal.

**Waste Disposal Considerations:** Dispose of materials according to the applicable Federal, State, and local environmental control regulations.

### IX. Additional Information

In order to comply with regulatory requirements, SARA Title III hazard categories for this product are indicated in Section I. If the word "YES" appears next to any category, this product may be reportable by you under the requirements of 40 CFR Part 370/ 29 CFR 1910,1200. Please consult those regulations for details.

**Federal Regulations:**  
TSCA

**State Regulations:**  
None

#### Toxicological Data

Component analysis- Hydrous magnesium silicate	LC50 not available
Component analysis – Hydrous magnesium silicate	Oral LD50 not available

#### Ecological Data

None

#### Transportation Information

US DOT  
Shipping Name:  
Not regulated as dangerous goods.



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### **X. Preparation Information**

For additional non-emergency health, safety, or environmental information telephone (616) 975-4716, or write to:

Regulatory Compliance Manager  
Noble Polymers  
4855 Thirty-Seventh St. SE  
Grand Rapids, MI 49512

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