



# GUARDIAN BUILDING PRODUCTS

## MATERIAL SAFETY DATA SHEET

Issue Date: May 28, 2008

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: GuardWrap HP, GuardWrap LP

Distributor: Guardian Building Products, Inc.  
979 Batesville Road  
Greer, SC, USA, 29651

### 2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

No hazardous ingredients.

Polypropylene

Polyethylene

Embedded Calcium Carbonate

This product also contains Rutile Titanium Dioxide (Pigment White 6), which is a WHMIS controlled ingredient. Please see Section 15, Regulatory Information.

### 3. HAZARDS IDENTIFICATION

#### OVERVIEW

No toxicity data are available on this specific formulation; this health hazard assessment is based on information that is available for its components. All ingredients are bound in a polymer matrix and the potential for exposure as shipped is minimal. If the product is used as intended, it does not constitute any risk to public health or the environment.

#### POTENTIAL HEALTH EFFECTS

**Routes of Exposure:** Inhalation, Ingestion, Skin contact

#### Acute Exposure

Inhalation: Inhalation exposure unlikely due to form. Single exposure to dust not likely to be hazardous. Like other inert materials, dust can be mechanically irritating.

Ingestion: Single dose oral toxicity is considered to be extremely low. Not likely to be ingested in present form.

Skin: Essentially non-irritating to skin. Skin absorption unlikely due to physical form.

Eyes: Like other inert particles, dust may be mechanically irritating to the eyes.

**Chronic Exposure:** Refer to Section 11 for Toxicological Information

**Medical Conditions Aggravated by Exposure:** None Known

### 4. FIRST AID MEASURES

Inhalation: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Treat as a nuisance dust if fine dust particles are generated during cutting operations.

Ingestion: In the unlikely event that the film is ingested, do not induce vomiting without medical advice.

Skin: For skin contact with molten material, cool with water. For thermal burns, remove clothing, any jewelry, and gross debris from the burned area. Leave blisters intact. Cover the wounded area with gauze dressing moistened with water. Get medical attention.

Eyes: Rinse immediately with plenty of water. If eye irritation persists seek medical attention.

## 5. FIRE-FIGHTING MEASURES

Flash Point: > 300°C (572°F)

Flammability Limits: Not applicable

Autoignition Temperature: Not applicable

Suitable extinguishing media: CO<sub>2</sub>, foam, dry chemical, or water spray

Special Fire Fighting procedures: Cool with water spray, remove heat source. Wear positive pressure, self-contained breathing apparatus when fighting a fire in any closed space.

Unusual Fire/Explosion Hazards: Dense smoke may be emitted when burned without sufficient oxygen. Fine dust particles from slitting could pose an explosion or flash fire hazard.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate personal protective equipment for the task.

Environmental Precautions: Should not be released into the environment.

Clean Up Methods: Clean up promptly by sweeping or vacuum. Refer to Section 13 for proper disposal methods.

## 7. HANDLING AND STORAGE

Handling: Heat only in areas with appropriate ventilation. No other special handling measures are required.

Storage: Store away from immediate and dangerous sources of ignition.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Heat only in areas with appropriate ventilation. Otherwise, none necessary under conditions of normal use.

Respiratory Protection: None necessary under conditions of normal use. Protect workers from dust during grinding or cutting operations.

Skin Protection: Use protective gloves when handling hot plastic.

Eye Protection: Safety Glasses

Exposure Limit(s): Not Applicable

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form/Appearance: Microporous Film/Nonwoven Laminate

Odor: Negligible

Water Solubility: Insoluble

Specific Gravity: 0.840 – 1.910 g/cc

Melting Point Range: 96-135 °C

#### 10. STABILITY AND REACTIVITY

Stability: Stable under normal ambient conditions  
Decomposition: > 300°C (572°F)  
Conditions to avoid: Prevent exposure to temperatures > 300°C and open flames.  
Incompatible Materials: Strong oxidizing agents  
Hazardous decomposition products: Combustible gases  
Hazardous polymerization: Will not occur

#### 11. TOXICOLOGICAL INFORMATION

This product is a blend that has not been evaluated as a whole for health effects. Exposure effects are based on existing health data for the individual components.

Toxicity Overview:  
Non-toxic.

#### 12. ECOLOGICAL EFFECTS

Degradability: Not biodegradable  
Ecotoxicity: No indication this material is a risk to the environment. The chemicals are bound in the polymer matrix and not readily available.  
Bioaccumulation Potential: The chemicals are bound in the polymer matrix and not readily available. No water hazard.

#### 13. DISPOSAL CONSIDERATIONS

Like most thermoplastics, this product can be recycled and this is preferred to landfill disposal or incineration. If the ability to recycle is not available, this material can be disposed of in a regulated landfill or incinerated according to local and federal regulations.

#### 14. TRANSPORT INFORMATION

This product is not regulated for transportation. There are no special conditions required for transport of this material, as it is not classified as a hazardous material under U.S. Department of Transportation, Canadian Transport, European Transport, or United Nations regulations.

#### 15. REGULATORY INFORMATION

This product is classified as non-hazardous based on its components.

**Canada:**

Components

Rutile Titanium Dioxide, Pigment White 6,  
CI 77891

WHMIS Classification of Substances

B6

**SARA:** Material is not known to contain Toxic Chemicals under Section 313 of Title III of the SARA of 1986.

**TSCA** (Toxic Substances Control Act): All components in this product are listed on the EPA TSCA Inventory.

## **16. OTHER INFORMATION**

This information is based on our present knowledge; however, this shall not constitute a guarantee for any specific product features. No toxicity data are available on this specific formulation; this health hazard assessment is based on information that is available for its components. The information given is provided only as guidance for safe handling, use, storage, transportation, disposal, and release and is not considered a warranty or quality specification.