

**1 - Product Identification**

**Manufacturer Name And Address:** Barrier Technology  
510 4<sup>th</sup> St. N.  
P.O. Box 379  
Watkins, MN 55389-0379 USA

**Emergency Phone:** 1 (800) 638-4570

**Phone for Additional Information:** 1 (800) 638-4570

**Product Name:** Blazeguard Fire-Retardant Paint

**Product Description:** Intumescent Protective Coating

**Date Prepared:** December 06, 2006

**Prepared By:** Protective Chemistries Incorporated

**2 - Composition/Information on Ingredients**

| Component         | CAS#        | Concentration |
|-------------------|-------------|---------------|
| Melamine          | 000108-78-1 | 7-10%         |
| Dipentaerythritol | 126-58-9    | 5-8%          |
| Titanium Dioxide  | 01317-80-2  | 3-6%          |

**3 - Hazards Identification****EMERGENCY OVERVIEW**

HMIS Rating: Health-1, Flammability-0, Reactivity-0

**POTENTIAL HEALTH EFFECTS**

Swallowing: not an anticipated route of exposure.

May cause the following effects: abdominal discomfort, nausea, vomiting or diarrhea.

**Skin Absorption**

No evidence of harmful effects from available information. May cause minor skin irritation and dermatitis.

**Inhalation**

Short-term harmful health effects are not expected from vapors generated at ambient temperature. May cause minor respiratory irritation.

**Eye Contact**

May cause mild discomfort, tearing and reddening.

**Medical Conditions Aggravated By Overexposure**

A knowledge of the available toxicology information and of the physical and chemical properties of the material components suggest that overexposure is unlikely to aggravate existing medical conditions.

**Other Effects Of Overexposure**

No adverse effects anticipated from available information.

**POTENTIAL ENVIRONMENTAL EFFECTS**

Carcinogens under OSHA, ADGIH, NTP or IARC: Does not contain any regulated levels.

**4 - First Aid Measures****Swallowing**

Do not induce vomiting. Seek medical attention if symptoms develop. Drink one or two glasses of water to dilute.

**Inhalation**

Remove to fresh air. Obtain medical attention if symptoms persist.

**Eye Contact**

Immediately flush eyes with water and continue washing for several minutes. Obtain medical attention if discomfort persists.

**5 - Fire Fighting Measures**

Flash Point  
Non-flammable Flammable Limits  
Lower limit: Not available  
Upper limit: Not available

**Special Fire Fighting Procedures**

None

**Special Protective Equipment For Fire Fighters**

Use self-contained breathing apparatus when fighting fires in enclosed areas.

**Extinguishing Media**

The product will only burn after all contained water is driven off, and then very slowly if ignition source is maintained. Use water spray, foam, dry chemical or carbon dioxide.

**Hazardous Combustion Products:**

Carbon dioxide, carbon monoxide, ammonia, hydrogen chloride.

**Unusual Fire and Explosion Hazards**

None known.

**6 - Accidental Release Measures****Personal Precautions**

Wear suitable protective equipment.

**Environmental Precautions**

Prevent runoff.

**Methods For Cleaning Up**

Cover with absorbent or contain.

Collect for disposal.

Observe government regulations.

Keep spilled product out of sewers, watersheds, or water systems.

(320) 764.5797 main  
(320) 764.5799 fax  
(800) 638.4570 toll free

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## 7 - Handling and Storage

### Handling Precautions

Normal precautions should be followed in handling and use.

Avoid unnecessary exposure.

### Storage Precautions

Store in a cool, dry place.

## 8 - Exposure Controls/Personal Protection

### PERSONAL PROTECTION

#### Respiratory Protection

None expected to be needed. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

#### Hand Protection

Protective gloves.

#### Eye Protection

Safety glasses with side shields or goggles.

### ENGINEERING CONTROLS

#### Ventilation

General (mechanical) room ventilation is expected to be satisfactory.

### EXPOSURE LIMITS

No exposure limits have been established.

## 9 - Physical and Chemical Properties

### APPEARANCE

|                |         |
|----------------|---------|
| Physical state | Liquid  |
| Color          | Tan     |
| Odor           | Neutral |

### OTHER PROPERTIES

|                                       |                              |
|---------------------------------------|------------------------------|
| Boiling point                         | Not established >212F (100C) |
| Melting point                         | Not established              |
| pH                                    | 7.5 - 9.0                    |
| Specific gravity (H <sub>2</sub> O=1) | 1.10-1.20 at 25C             |
| Vapor Pressure                        | Not established              |
| Vapor Density                         | Heavier than air             |
| Flash point                           | None                         |
| Upper explosion limits                | Not available                |
| Lower explosion limits                | Not available                |
| Percent volatiles                     | 37-38% by weight             |

## 10 - Stability and Reactivity

### Stability

Stable under normal conditions.

### Stability - Conditions To Avoid

Avoid temperatures: >300F(149C); <35F(2C)

### Incompatible Materials

None currently known.

### Hazardous Combustion Products

Burning can produce the following combustion products:

### Hazardous Polymerization

Will not occur.

Irritating and toxic fumes may occur at elevated temperatures (over 250C).

Carbon monoxide is highly toxic if inhaled, carbon dioxide in sufficient concentrations can act as an asphyxiant.

Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

Oxides of carbon, ammonia, hydrogen chloride.

## 11 - Toxicological Information

### Significant Data With Possible Relevance To Human Health

No information relevant to human health hazard evaluation is currently available.

## 12 - Ecological Information

No ecological information available.

## 13 - Disposal Considerations

### General

Allow to dry out to solidify and dispose of in an approved landfill.

Consult Federal, State, and local regulation for more restrictive regulations.

## 14 - Transportation Information

### DOT Classification: Resin Compound

This product is not regulated by DOT.

Consult Bill of Lading for transportation information.

## 15 - Regulatory Information

### Chemical Inventory

United States: The components of this product are all listed on the EPA - TSCA inventory.

### Federal Reporting

EPA SARA Title III Section 313

This product does contain the following toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund

Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 72.

| <u>Chemical Name</u> | <u>CAS#</u> | <u>%</u> |
|----------------------|-------------|----------|
|----------------------|-------------|----------|

## 16 - Other Information

### Recommended Uses And Restrictions

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