

P.O. Box 17396, Minneapolis, MN 55417

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## **MATERIAL SAFETY DATA SHEET**

### **1. PRODUCT AND COMPANY IDENTIFICATION**

*Product Name:* ShieldAll 6023, 6053

*Product Description:* Intumescent Protective Coating

*Supplier:* Protective Chemistries Incorporated  
P.O. Box 17396  
Minneapolis, MN 55417

*Emergency Telephone Number:* 320-684-2800

*Data Prepared:* January 26, 2017

### **2. 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 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 irritation, 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.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>CAS#</u>	<u>Concentration</u>
Melamine	000108-78-1	7-10%
Dipentaerythritol	126-58-9	5-8%
Titanium Dioxide	013463-67-7	3-6%

**4. FIRST AID MEASURES**

*Swallowing*

Do not induce vomiting. Seek medical attention if symptoms develop. Drink 1 or 2 glasses of water to dilute.

*Skin*

Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists. Wash clothing before re-use.

*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.

## **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	White or Beige
Odor	Neutral

### OTHER PROPERTIES

Boiling point	Not established >212F (100C)
Melting point	Not established
pH	7.0 – 8.0
Specific gravity (H <sub>2</sub> O=1)	1.28 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:

Oxides of carbon, Ammonia, hydrogen chloride

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.

### *Hazardous Polymerization*

Will not occur.

## **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. TRANSPORT 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>
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## **16. OTHER INFORMATION**

### *Recommended Uses And Restrictions*

Please consult the product and/or application information bulletins for this product.