

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT INFORMATION

Supplier Name

The Mill-Rose Company
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Product

Phenolic Resin Polyester Aluminum
Open Mesh

Trade Names and Synonyms

Torch Guard™

SECTION 2 – HAZARDOUS INGREDIENTS

Material

Carbon and graphite felt

CAS

%

100

OSHA PEL

N/E

ACGIH TLV

N/E

SECTION 3 – PHYSICAL DATA

Boiling Point (degrees F) - N/A

Vapor Density (Air=1) - N/A

Specific Gravity (Water=1) - N/A

Evaporation Rate (Butyl Acetate=1) - N/A

Fiber Density (g/cc) - 1.4

Vapor Pressure (mm Hg) - N/A

Solubility in Water - Negligible

Percent Volatile by Volume % - N/A

Appearance/Odor - Black felt; negligible odor

SECTION 4 – FIRE AND EXPLOSION DATA

Flash Point (Method Used) - N/A

Extinguishing Media - Water, difficult to ignite

Special Fire Fighting Procedures - None

Flammable Limits % by Volume - LEL - N/A, UEL - N/A

Unusual Fire and Explosion Hazards -

Incinerating can generate airborne fibers which may cause electrical malfunctions.

SECTION 5 - HEALTH DATA

Primary Routes

Of Exposure

Inhalation?

Yes

Skin?

Yes

Ingestion?

Unlikely

Eyes?

Yes

Effects of Overexposure - Fibers may cause mechanical irritation to the eyes and skin. No significant inhalation hazards have been identified. If fibers are generated and ventilation is inadequate, use a NIOSH/MSHA approved respirator.

Carcinogenicity NTP - No IARC - No OSHA - No

SECTION 6 – EMERGENCY AND FORST AID PROCEDURES

For overexposure to graphite felt fibers:

Eyes - Flush with water for at least 15 minutes. Seek medical attention if irritation develops or persists.

Always wear appropriate eye protection.

Lungs - Remove to fresh air. Seek medical attention if breathing becomes difficult.

Skin - Wash affected area thoroughly with mild soap and water. Gloves and/or protective skin creams may be helpful. Seek medical attention if irritation develops or persists.

SECTION 7 - REACTIVITY DATA

Stability - Stable

Conditions to Avoid - N/A

Incompatibility (Materials to Avoid) - N/A

Hazardous Decomposition Products - None

Hazardous Polymerization - Will not occur

SECTION 8 – SPILL AND LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled - Vacuum or sweep up spills taking care not to generate airborne fibers that can cause electrical malfunctions.

Waste Disposal Method - Incinerating can generate airborne fibers. Waste fibers should be bagged or containerized and buried in landfill where permitted according to local, state and federal regulations.

SECTION 9 – SPECIAL PROTECTIVE INFORMATION

Respiratory Protection - NIOSH/MSHA approved respirator if airborne fibers are generated

Ventilation Requirements -

Local Exhaust - Yes, if fibers are generated

Special - N/A

Mechanical (general) - As necessary to minimize fibers.

Eye Protection - Safety glasses with side shields, goggles or face shield.

Protective Gloves - Yes

Other Protective Clothing or Equipment - Long sleeved clothing. Eye wash station.

ALL CHEMICALS SHOULD BE HANDLED SO AS TO PREVENT EYE CONTACT AND EXCESSIVE OR REPEATED SKIN CONTACT. APPROPRIATE EYE AND SKIN PROTECTION SHOULD BE USED. INHALATION OF FIBERS (OR ANY AIR CONTAMINANT) SHOULD BE AVOIDED.

SECTION 10 – SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing - Graphite fibers are electrically conductive and may cause short circuits which may result in damage to or malfunction of electrical equipment. All forms of electrical equipment, enclosures and circuits in or near areas where fibers are used should be properly protected against infiltration of or contact with airborne particles or fibers.

Other Precautions - Wash work clothes separately from other clothes.

NOTICE FROM THE MILL-ROSE COMPANY

The information in this Material Safety Data Sheet (MSDS) relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. We believe that the information contained herein is current as of the date of the MSDS. Since use of this information and these opinions and the conditions of use of the product are not within the control of The Mill-Rose Company, it is the user's obligation to determine the conditions of safe use of the product.