

Material Safety Data Sheet

PBC Special

Rose Mill Co. 100 Brook Street, West Hartford, CT 06110
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PRODUCT IDENTIFICATION

Trade Name: PBC Special

Chemical Family: Mixture

Formula: Mixture

CAS #: N/A

HAZARDOUS INGREDIENTS

Ingredient : Boric Oxide (1303-86-2)

Carcinogen: Known: not anticipated

HMIS Ratings: Health: 2

Health Rating: 2 - Moderate

Flammability Rating: 0 - None

Reactivity Rating: 1 - Slight

Contact Rating: 2 - Moderate

HMIS Protective Equipment: Glasses, boots, gloves

PHYSICAL DATA

Boiling Point: 170 - 185°F

Melting Point: 450C (842F)

Specific Gravity: 1.334

Vapor Density: N/A

% Volatiles by Weight: 1.5

Solubility in water: 0C:2.47, 20C:4.54, 100C: 92.95

Appearance and Odor: dark grey, dry powder, slight odor

FIRE AND EXPLOSION HAZARDS DATA

Flash Point (Method Used)

Auto ignition Temperature:

Flammable Limits: Non-Flammable

Upper: N/A Lower: N/A

Extinguishing Media: Product Inherent Fire Retardant

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

HEALTH HAZARD INFORMATION

Routes of Entry: **Inhalation:** Do not inhale, avoid conditions that cause dust

Eye: Acute.

Carcinogenicity: none known

Recommended Exposure Limits: In extremely rare cases, the chief toxic effects are the absorption of Boron by ingestion or absorption through damaged skin.

Signs and Symptoms of Exposure:

Inhalation: Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath

Ingestion: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea.

Skin: Causes irritation, redness, and pain.

Eye: Causes irritation, redness, and pain.

Medical Conditions Generally Aggravated By

Exposure: coughing, irritation of airways, eyes

EMERGENCY FIRST AID PROCEDURES: Artificial respiration may be necessary if large quantities are ingested resulting in acute poisoning. If breathing has

ceased, mouth-to-mouth or artificial breathing should be performed.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention

INGESTION: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

SKIN: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

EYE: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

REACTIVITY DATA

Stability: Stable

Incompatibility (Material to Avoid): May react violently on contact with bromine pentafluoride.

Hazardous Decomposition Products: none

Hazardous Polymerization: will not occur

SPILL OR LEAK PROCEDURES

Steps to Be Taken in Case Material Is Released or Spilled: wash with water for 15 minutes

Waste Disposal Method: according to local authorities

Precautions to Be Taken in Handling and Storage: Keep dry

SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Approved respirator for extremely fine dust.

Ventilation: Use with adequate ventilation

Protective Gloves: Rubber Gloves

Eye Protection: Goggles – Avoid eye contact

Other Protective Clothing or Equipment: Boots and apron/long sleeves

Work/Hygienic/Maintenance Practices: use good manufacturing practices and common sense

SPECIAL PRECAUTIONS

Keep container dry and properly sealed to prevent caking.



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