



FABPRO INC.

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HAZARD RATING HMIS

Health=2, Flammability = 0, Reactivity = 1
(Index: 4=very high, 3=high, 2=moderate
1=slight, 0=insignificant)

Material Safety Data Sheet

I. General Information

Trade Name & Synonym Wool Protector		Chemical Family Silicofluoride
Chemical Name & Synonym Magnesium Silicofluoride	Date prepared September 1997	Prepared by Aziz Ullah Ph.D.

II. Ingredients: Magnesium Silicifluoride

III. Physical Properties

Boiling Point

NA

Specific Gravity (Water=1)

Approx. 0.60

Vapor Pressure (mm Hg.)

NA

Melting Point

Decomposes above 120° C

Vapor Density (AIR=1)

NA

Evaporation Rate (Butyl Acetate=1)

NA

Solubility in Water

64% at 20° C

Appearance and odor

White free flowing powder odorless

pH (Powder 1% solution,)

3.0-4.0

IV. Fire and Explosion Hazard Data

Flash Point (TOC)

NA

Flammable Limits

NA

LEL

UEL

NA

Extinguishing Media

Not a fire hazard

Special Fire Fighting Procedures

None

Unusual Fire and Explosion Hazards

Will decompose to toxic corrosive gases in fire. Self-contained air packs will be required

V. Reactivity Data

Stability

Unstable

Conditions to avoid

Stable

X

Incompatibility (Materials to avoid)

Ferrous or alkaline materials

Hazard Decomposition or Byproducts

When exposed to fire emits corrosive and toxic gases

Hazardous Polymerization

May occur

Conditions to avoid

Will not occur

X

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VI. Health Hazard Data

Routes of Entry	Inhalation	Skin	Ingestion	Eyes
	Yes	Yes	Yes	yes

Health Hazards

Direct contact of product with eyes or skin can cause irritation. May be fatal if ingested. If taken Internally induce vomiting by giving mustard or soapy water.

Signs and Symptoms of Exposure

Irritation, discomfort

Medical Conditions Aggravated by Exposure

Chronic exposure may cause osteofluorosis and permanent respiratory impairment

Emergency and First Aid Procedures

For eyes and skin flush thoroughly with water. If taken Internally induce vomiting by giving mustard or soapy water and see physician

VII. Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Flush with water, or sweep up and containerize. Residues should be neutralized with lime and flushed with water.

Waste Disposal Method

Check with federal state or local regulations. Waste may be discharged into sanitary sewer as non-hazardous waste if regulations permit.

Precautions to be taken in Handling and Storing

Keep away from heat; keep away from eyes and repeated or prolonged contact with skin

Other Precautions

NA

VIII. Control Measures

Respiratory Protection

Use a NIOSH/MSHA respirator where dust may be generated

Ventilation	Local Exhaust	Special
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Adequate local ventilation

Mechanical

Other

Protective Gloves

For repeated contact impermeable gloves suggested goggles

Eye Protection

Glasses or chemical

Other Protective Clothing or Equipment

NA

Work/Hygienic Practices

Wash after handling Keep out of reach of children

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