

Date: November 21, 2008
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1. IDENTIFICATION OF THE CHEMICAL AND OF MANUFACTURER

Trade name: REPEL WOOL FIBER PROTECTOR Product Code: 1-010301
The intended use of the product is to inhibit and retard wool fiber disintegration from organic sources on rugs and carpet.

Standard industrial classification: 2842

Manufacturer: Master Blend, Inc
5285 Fox Street Unit A
Denver, CO USA 80216
303-373-0702 Telephone

1.4.1 FOR CHEMICAL EMERGENCY OR INGESTION, CALL CHEM-TEL, INC.
(USA, Canada & U.S. Virgin Islands) 1-800-255-3924 OR INTERNATIONAL CALL COLLECT 1-813-248-0585

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Hazardous Ingredients

2.1.1 CAS #	EINECS No	2.1.2 Name	2.1.3 Concentration	2.1.4 Warning/Risk phrases
16949-65-8	241-022-2	Magnesium fluorosilicate	100%	R20/21/22, R35 ,R41
2.1.5	No confidential ingredients			
2.1.7	Other information: None			

3. HAZARDS IDENTIFICATION

Human: Product may cause severe damage to eyes including blindness. Product may cause severe burns to skin. Product is harmful upon inhalation and if swallowed. Severe irritation to lungs which may include coughing, choking, chest pain, bronchitis, excess fluid retention, lung damage, lowered calcium level in the blood, coma and death. Severe irritation upon ingestion which may include nausea, vomiting, diarrhea, tissue ulceration, gastrointestinal damage, lowered calcium level in the blood, coma and death. Effects may be delayed. Avoid contact with organic and inorganic acids.

Environment: This product is unlikely to accumulate in aquatic environment.

4. FIRST AID MEASURES

Eye Contact: Hold eyelids open and flush with water for at least 15 minutes. Seek medical attention as soon as possible.

Skin Contact: Wash with soap and water. Remove contaminated clothing. If irritation persists, seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention as soon as possible.

Ingestion: Do not induce vomiting. Dilute with one to two glasses of water. Seek medical attention immediately.

Note to physician: Fluoride ion can cause fluorosis (brittle bones calcified ligaments and anemia). Administer chewable calcium carbonate tablets, milk of magnesia or milk. An injection or topical application on the damaged skin of either calcium gluconate or calcium lactate may be advised by the poison control center.

5. FIRE-FIGHTING MEASURES

The product is non-combustible; however **do not apply water to fire** as hydrogen fluoride gas may be liberated and is corrosive to many materials such as glass, cement, and many metals. **Use carbon dioxide or non-polar foam.**

Self-contained breathing apparatus (SCBA) with full chemical resistant protective gear for fire fighters.

This product is unlikely to support combustion as it is not combustible and not an oxidizer.

Exposure hazard: decomposition of product may be hydrogen fluoride gas.

6. ACCIDENTAL RELEASE MEASURES

Isolate product spill area. Ventilate as needed. Wearing appropriate personnel protection, carefully shovel product into a clean, dry container and cover. If product is wet, neutralize with sodium bicarbonate and treat with dry absorbent. Dispose in accordance with federal, state and local regulations. Check local authority for proper disposal methods.

Do not mix this product with other waste materials.

7. HANDLING AND STORAGE

Always use proper PPE (see section 8). Handle product with best business practices. Keep this product stored away from food, drink and animal feeding stuffs. Keep out of the reach of children. Store in a cool and dry area. Avoid contact with organic and inorganic acids. **Do not heat above 100° C as hydrogen fluoride gas will be released. Mixing with water will form hydrofluoric acid which is extremely corrosive.**

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values:

HTP values: NIOSH REL 2.5 mg/m3 of fluoride
Other limit values: (USA) OSHA PEL-TWA: Fluorine (2.5 mg/m3);
Nuisance dust (15 mg/m3)

Limit values in other countries: (AICS) Nuisance dust (10 mg/m3);
(AICS), (DSL), (ECL), (ENCS), (EU), (ISRAEL), (MAC), (MAK), (PICCS),
(Taiwan), (UK): 2.5 mg/m3 of fluoride

Exposure controls: Avoid contact with eyes, skin or clothing. Avoid ingesting the product as it is toxic. Follow respirator regulations (medical approval, fit test, and proper care) wear MSHA/NIOSH approved respirator for hydrogen fluoride gas. Wear chemical impervious gloves to protect exposure to your hands. Wear chemical safety goggles or glasses to protect your eyes. Wear chemical resistant protective coveralls and rubber soiled boots. Seek advice to consider wearing disposable PPE.

9. PHYSICAL AND CHEMICAL PROPERTIES

The product is crystalline, white granules with a light odour.
Important health, safety and environmental information

RTU pH	3.1
Boiling point/boiling range	NA
Freezing point	NA
Flash point	NA
Flammability (solid, gas)	NA
Explosive properties	Not explosive
Oxidising properties	Not an oxidiser
Vapour pressure	NA
Relative density	Greater than water
Solubility	100% in water
Specific gravity	1.79
RVOC%	0.00

10. STABILITY AND REACTIVITY

The product is stable and will not polymerise. Avoid contact with organic and inorganic acids. Mixinf with water will give hydrofluoric acid which is extremely corrosive. Hazardous decomposition of product may be hydrogen fluoride gas.

11. TOXICOLOGICAL INFORMATION

LD50 200 mg/kg (Oral - Rat)
Long term exposure will target kidneys and can cause bone disorders

12. ECOLOGICAL INFORMATION

Biodegradability: Biodegradable
Mobility: Soluble in water
Bio-accumulation: This product is unlikely to accumulate in waterways and will not accumulate in the environment. The product has been determined to be toxic to some fish and other organisms

13. DISPOSAL CONSIDERATIONS

Dispose in accord with National regulations. Do not mix waste material with other waste materials. Most regulatory agencies allow triple rinsing of used containers with water while wearing PPE prior to disposal.

14. TRANSPORTATION INFORMATION

Identification	UN2853
Proper Shipping Name	Magnesium Fluorosilicate
Hazard Class	6.1 (POISON)
Packing group	III
US Domestic Ground Transport:	
	Consumer Commodity ORM-D [49CFR173.153]
Air Transport:	Consumer Commodity ORM-D [49CFR173.27]
Sea Transport:	Consumer Commodity ORM-D [49CFR 173.153]

15. REGULATORY INFORMATION

ILO:	T (Toxic)
WHMIS:	Toxic
Risk phrases:	R21 - Harmful in contact with skin R23/25 - Toxic by inhalation and if swallowed R33 - Danger of cumulative effects R35 - Causes severe burns R40 - Possible risks of irreversible effects R41 - Risk of serious damage to eyes R48 - Danger of serious damage to health by prolonged exposure
Safety phrases:	S2 - Keep out of the reach of children S13 - Keep away from food, drink and animal feeding stuffs S23 - Do not breathe fumes S24/25 - Avoid contact with skin and eyes S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S27 - Take off immediately all contaminated clothing S36/37/38/39 - Wear suitable protective clothing, gloves and eye/face protection S38 - In case of insufficient ventilation, wear suitable respiratory equipment S51 - Use only in well-ventilated areas S56 - Dispose of this material and its container at hazardous or special waste collection point S62 - If swallowed do not induce vomiting: seek medical advice immediately and show this container or label
Special regulations on certain preparations:	
HMIS	NFPA
3	Health 3
0	Fire 0
1	Reactivity/Instability 1
K	PPE

16. OTHER INFORMATION

Restrictions on use Ready to use after label dilution. This product is intended for professional use only.
Further information:
Call CHEM-TEL, INC. collect 1- 813-248-0582
Sources of key data used: EU, EEC Directives on the Control of Dangerous Substances and Preparations (67/548/EEC), Council Directive 88/379/EEC, WHMIS, NIOSH and OSHA 29 CFR Part 1910.1200.
This product contains no Prop 65 materials.
Magnesium fluorosilicate is listed in the following inventories: USA (TSCA); China (CI); Korea (ECL); Canada (DSL); Philippines (PICCS); Europe (EINECS); Japan (MITI) and Australia (AICS).
This is a new Safety Data Sheet.

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