

\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*

This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this material. Please read the information on these sheets, and then provide this information to those people at your company whose responsibility it is to implement the "Workplace Hazardous Materials Information System (WHMIS)". Also make this information available to any employee who requests it.

Date of preparation: 07/11/2007

3300-260

SECTION I PRODUCT IDENTIFICATION AND USE

Manufacturer : W. R. MEADOWS OF CANADA - H M I S -
Address : 70 Hannant Court |Health : 2 |
: Milton, Ontario L9T 5C1 |Fire : 0 |
|Reactivity : 0 |
Telephone # : (905) 878-4122 |Person Protection : |
Emergency # : 1-800-424-9300 Chemtrec

(Hazard Rating: 0=Least,1=Slight,2=Moderate,3=High,4=Extreme,\*=Chronic)

Product Class : Class D, Division 2, Subdivision B, Toxic Materials
Product Identification Number: 3300-260
Product Identifier : PENALITH CHEMICAL FLOOR HARDENER
Product Use : Concrete curing and hardening compound

SECTION II HAZARDOUS INGREDIENTS

Table with 10 columns: No. Hazardous Ingredient(s)\*, CAS#, % By Weight, LD50, LC50, TLV/TWA, ACGIH TLV/Ceiling, ACGIH TLV/STEL, SKIN. Row 1: 1. Magnesium Silicofluoride Hexahydrate, 18972-56-0, 15-20, N/E, N/E, 2.5 mg/m3\*, N/E, N/E, NO

\* A more complete disclosure will be provided to a physician or nurse in the event of a medical emergency. None of the components of this product are recognized as carcinogenic.

N/A = Not applicable N/E = Not established \* as Fluorine

Component data is defined in accordance with Sub-paragraph 13 (a) (i) to (iv) of the Hazardous Product Act.

SECTION III PHYSICAL DATA

Physical State : Liquid Vapour Density : >1 (air = 1)
Specific Gravity : 1.19 Evaporation Rate : <1 (ether = 1)
Odour/Appearance : Green liquid/no odour Percent Volatile : 80 (by weight)
Vapour Pressure : 1 (H2O = 1) Freezing Point : < 0 degrees C.
pH : 2.24 Boiling Point : 100 degrees C.
Odour Threshold : Not applicable
Coefficient of water/oil distribution: Not available

SECTION IV FIRE AND EXPLOSION DATA

Conditions of Flammability: Non-flammable product Autoignition temperature: Not applicable
Means of extinction: Water fog, foam, dry chemical, or Carbon Dioxide Sensitivity to mechanical impact: No
Flash point and method: Not applicable Sensitivity to static discharge: No
Flammability limits: LEL: N/A UEL: N/A
Hazardous combustion products: Carbon Monoxide, Carbon Dioxide and incomplete combustion products.

SECTION V REACTIVITY DATA

Chemical stability: Stable
If no, under which conditions:
Incompatibility (materials to avoid): Avoid alkaline materials.
Conditions of reactivity: None
Hazardous decomposition products: Hydrofluoric Acid and Silicotetrafluoride (Sif4).

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**SECTION VI TOXICOLOGICAL PROPERTIES**

**Route(s) of entry:** Inhalation, skin contact.

**Effect(s) of acute exposure to product:**

**EYE CONTACT:** Based on the presence of component 1 this product is presumed to be moderately irritating to the eyes. Exposure may cause corneal injury.

**SKIN CONTACT:** Based on the presence of component 1 this product is presumed to be corrosive to the skin and exposure may cause chemical burns.

**INHALATION:** Exposure may produce irritation to the nose, throat, respiratory tract, and other mucous membranes.

**INGESTION:** Based on the presence of component 1 this product may be fatal if ingested.

**SIGNS AND SYMPTOMS:** Symptoms of eye irritation include pain, tearing, reddening, and swelling. Symptoms of skin irritation include reddening, swelling, rash, and redness. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Symptoms of gastrointestinal irritation include sore throat, abdominal pain, nausea, vomiting, and diarrhea.

**Exposure limits:** See Section II.

**Effect(s) of chronic exposure to product:**

Carcinogenicity: No	Reproductive toxicity: Not established
Teratogenicity: Not established	Mutagenicity: Not established
	Synergistic Properties: None known

**SECTION VII PREVENTIVE MEASURES**

**Personal protective equipment:** Wear safety glasses, goggles, or a splash shield to prevent eye contact. Contact lenses should not be worn. Wear appropriate gloves and protective clothing to prevent contact with skin and clothing.

**Engineering controls:** Not required under normal conditions of use.

**Leak and spill procedures:** LARGE SPILLS>> Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. If vapour cloud forms, water fog may be used to suppress; contain run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. SMALL SPILLS>> Take up with an absorbent material and place in non-leaking containers.

**Waste disposal:** Observe all Provincial, Federal, State and local regulations regarding proper disposal.

**Handling procedures/equipment:** Avoid direct contact. Handle this product as a corrosive material.

**Storage requirements:** Store in a cool dry area. Keep containers closed when not in use.

**Special shipping information:** None

**SECTION VIII FIRST AID MEASURES**

**EYE CONTACT:** Immediately flush eyes with copious amounts of water for at least fifteen (15) minutes while holding eyelids open. Seek prompt medical attention.

**SKIN CONTACT:** Remove contaminated shoes and clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists seek medical attention.

**INHALATION:** If respiratory symptoms develop, move victim away from exposure source and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

**INGESTION:** Dilute with two (2) glasses of water unless the victim is unconscious or very drowsy. Induce vomiting by giving two (2) tablespoons of Ipecac or by touching a finger to the back of the victim's throat. Keep the victim's head below the hips to prevent aspiration into the lungs. Consult a physician, hospital, or poison control center and/or transport to an emergency facility immediately.

The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of the product described herein.

**SECTION IX PREPARATION OF MSDS**

Prepared by: David Carey	Phone number:(847) 683-4500	Preparation date: 07/11/2007
	Product Identification Number: 3300-260	