



Material Safety Data Sheet

SECTION 01: PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: **MAGNESIUM CHLORIDE FLAKES**

DISTRIBUTOR: **Innovative Surface Solutions** Effective date: **December, 2011.**

78 Orchard Road,
Ajax, Ontario, L1S 6L1, Canada.

EMERGENCY PHONE NUMBER:

613-996-6666

24 Hours/Day: 7 Days/Week

FOR MORE INFORMATION CALL:

1-800-387-5777

905-427-0318

Trade name:

MAG Flakes

Material uses:

De-icing, dust control

WHMIS classification

Not controlled

Chemical family:

Inorganic salt

SECTION 02: COMPOSITION AND INFORMATION ON INGREDIENTS

COMPONENTS:

Magnesium Chloride

CAS #

7786-30-3

% by Weight

47.0%

SECTION 03:

PHYSICAL DATA

Physical state:

Solid

Odor / appearance:

Odorless / small white flakes, hygroscopic

Odor threshold:

n/a

Specific gravity:

1.650 at 25°C

pH:

Neutral

Vapor pressure:

1 mm

Solubility in water:

Soluble in water and alcohol

% Volatile:

n/a

Coefficient of water / oil distribution:

n/a

Vapor density:

n/a

SECTION 04:

FIRE & EXPLOSION HAZARD

Flammability:

No.

If yes under what conditions:

n/a

Means of extinguishing:

n/a

Special procedure:

None. Product can be used to extinguish fire.

Flash point:

n/a

Upper explosion limit:

n/a

Lower explosion limit:

n/a

Auto ignition temperature:

n/a

Sensitivity to mechanical impact:

Not sensitive

Sensitivity to static discharge:

n/a

SECTION 05: REACTIVITY DATA

Chemical stability:	Yes
If no under what conditions:	n/a
Incompatibility with other substances:	Yes
If so, which ones:	Bromine trifluoride, sulphuric acid, sodium, methyl vinyl, zinc.
Reactivity under what conditions:	n/a
Hazardous decomposition products:	Chlorine fumes are given off at temperatures >1600°C

SECTION 06: HEALTH HAZARDS

Route of entry:	Inhalation and ingestion
Effect of acute exposure to material:	Very low toxicity LD50 (oral rat) 8100mg/kg, may cause slight irritation of eyes, skin.
Effect of chronic exposure to material:	n/a
Exposure limit:	n/a
Synergetic material:	None
Irritancy of material:	Minor irritant
Sensitivity of material:	n/a
Carcinogenetic, reproductive effects:	n/a

SECTION 07: FIRST AID MEASURES

Eye contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.
Skin contact:	Remove from skin by wiping and washing thoroughly with water.
Inhalation:	Remove victim to fresh air.
Ingestion:	If discomfort exists, induce vomiting. Seek medical attention immediately

SECTION 08: PREVENTATIVE MEASURES

Eye contact:	Wear safety goggles.
Skin contact:	Wear rubber gloves, boots and long sleeve shirts
Inhalation:	For dusty or misty conditions, wear NIOSH approved dust or mist respirator.
Engineering controls:	Mechanical ventilation recommended in enclosed areas.
Waste disposal:	Dispose of material in government approved landfill site in accordance with local laws.
Handling procedures and equipment:	Wash skin and equipment with water.
Storage requirements:	Store in cool dry area. Due to its hygroscopic nature, MAG absorbs moisture and softens rapidly.
Special shipping information:	No special shipping procedures.

SECTION 09: PREPARATION INFORMATION

Prepared by:	Innovative Surface Solutions
Telephone #:	905-427-0318
Preparation date:	December, 2011
Superseded date:	ALL PREVIOUS VERSIONS