

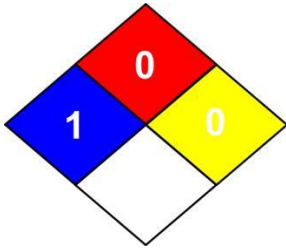
Safety Data Sheet

Version: 4.0

Preparation Date: June, 2021

Supersedes All Previous Versions

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION



Product Name: FS2000
Product Use: De-icing, Anti-icing
Manufacturer/Distributor: HLF Diversified Inc
2934 Vandorf Sideroad
Stouffville, Ontario
L4A 2J8
Telephone: 1-905-841-2730
WHMIS Classification: Not controlled
Chemical Family: Inorganic salt solution

SECTION 2: HAZARDS IDENTIFICATION

Physical
Not Hazardous

GHS Classification
Health
Not Hazardous

Environment
Not Hazardous

GHS Label Element

Not Hazardous

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	% by Weight
Magnesium Chloride	7786-30-3	27.0%
Proprietary Ingredients	-	6.0%

SECTION 4: FIRST-AID MEASURES

Eye May cause slight eye irritation, immediately wash with water for 15 minutes. Get medical attention if irritation persists.

Skin May cause skin irritation, wash skin thoroughly with soap and water. Get medical attention if irritation develops or persists.

Ingestion Low in toxicity. May cause diarrhea and vomiting when large quantities are ingested.

Inhalation Not applicable.

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media Appropriate extinguishing media. This product is not combustible. Choose media depending on surrounding fire. All extinguishing medias are allowed.

Specific Hazards Arising from the Chemical Expose to temperature above 160 C gives formation of toxic chloride gases

Protective Equipment and Precaution Protective actions and / or special protective equipment depending on surrounding fire. Aqueous solutions may cause surfaces to be extremely slippery and cause a slip hazard.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Risks and Spills Small spills can be washed away with water.
For large spills cordon off the spill area, collect and or absorb liquid with an inter absorbent and place in appropriate container for disposal. Flush spill area with water
Report releases as per local, state and federal authorities

Protective Equipment and Exposure Control See Section 9 for details

SECTION 7: HANDLING & STORAGE

Precaution for Safe Handling

Wear protective equipment and equipment. Avoid contact with eyes, skin and clothing.
Avoid breathing mist or aerosols
Wash your skin thoroughly with soap and water after handling, if product comes in contact.

Safe Storage / Incompatibilities

Store in cool, dry, well-ventilated area away from incompatible material.
Carbon Steel, polyester, polyethylene and polypropylene are suitable material for construction.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Control

Not established, no special precaution required.

Respiratory Protection

For dusty or misty conditions, wear NIOSH approved dust or mist respirator.

Skin Protection

Wear rubber gloves, boots and long sleeve shirts.

Eye Protection

Wear safety goggles.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Physical State:

Liquid

Appearance | Odor:

Clear amber (available as blue and orange) | Odorless

Odor Threshold:

Not established

Specific Gravity:

1.290g/mL

pH:

6.0 to 9.0

Vapor Pressure:

Not determined

Solubility in Water:

Completely

% Volatile:

Not determined

Vapor Density:

Not determined

SECTION 10: STABILITY & REACTIVITY

Reactivity / Chemical Stability

Not reactive. Stable under normal storage and handling conditions.

Conditions to Avoid

Temperature below or close to product freezing point can give formation of crystals during storage.

Incompatible Material

Strong oxidizing agents, concentrated acids and some metals.

Hazardous Decomposition Products

Above 160 C product decomposes and emits hydrogen chloride, halogenated compounds and chloride gas.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingestion

Ingestion may cause slight irritation with nausea, vomiting and diarrhea.

Inhalation

Inhalation of mist may cause slight irritation of nose, throat and upper respiratory tract.

Eye

May cause minor irritation with pain and tearing.

Skin

May cause slight irritation on prolonged or repeated contact.

Carcinogenicity

None of the component in the product is listed as carcinogen or suspected carcinogen by IARC, NTP or OSHA.

Reproductive Toxicity

None.

Oral (rate) LD 50

8100 mg / Kg

Appraisal

The material is classified as not toxic.

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity

Fathead minnow NOEC: 1.0 g / L
Ceriodaphnia dubia NOEC: 1.00 g / L
Selenastrum growth NOEC: 2.0 g / L

Persistence and Degradability

Not applicable.

Bio accumulative Potential

No data available.

Mobility in Soil

No data available.

Other Adverse Effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal environmental regulations.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name	Not regulated
UN Number	None
Hazard Class / packing Group	None
Label Required	None

SECTION 15: REGULATORY INFORMATION

CERCLA	This product is not subjected to CERCLA release reporting. Many States have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
SARA Hazard Category (311 / 312)	Not Hazardous
SARA 313	None
EPA TSCA Inventory	All of the ingredients in this product are listed on the EPA TSCA Inventory.
CEPA	All the components of this product are listed on the Canadian DSL
WHMIS Classification	Not classified as dangerous.

SECTION 16: PREPARATION INFORMATION

Prepared By:	HLF Diversified Inc
Telephone:	905-841-2730
Preparation Date:	June, 2021
Superseded Date:	ALL PREVIOUS VERSIONS