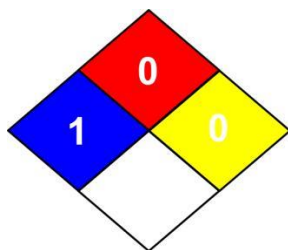


Safety Data Sheet

Version: 4.0

Preparation Date: June, 2018
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 | GHS Classification | Environment |
|-------------------|-------------------------|---------------|
| Not Hazardous | Health Not Hazardous | 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, 2018 |
| Superseded Date: | ALL PREVIOUS VERSIONS |