

CI FrostShield

— Liquid Ice Melter

1. IDENTIFICATION

Product name	CI FrostShield
Product code	CI-FSH
Other name(s)	CI FrostShield Liquid Ice Melter
Recommended use	Liquid ice melter for commercial and institutional winter maintenance applications
Restrictions on use	All uses other than those indicated on the product label and technical data sheet
WHMIS classification	Not a controlled product under WHMIS 2015
TDG classification	Not regulated
Distributed by	Chem International (a division of Aliysha Enterprises Ltd.) 10770-180 Street NW, Edmonton, AB T5S 2S4
Phone	1-800-665-7287 info@chemintonline.com
Website	chemintonline.com
Emergency phone	CANUTEC: 1-613-996-6666

2. HAZARDS IDENTIFICATION

HEALTH	FLAMMABILITY	PHYSICAL HAZARD	WHMIS CLASS
1	0	0	NOT CONTROLLED
Minor irritant under normal use	Will not burn	Stable — see reactivity note	

Classification of the Mixture

GHS-US / WHMIS 2015 classification: **Not classified**. No GHS hazard pictograms, signal word, or hazard statements are required on the label.

Other Hazards

Reacts with some acids to release toxic and corrosive hydrogen chloride gas/vapour. Reacts with strong oxidizing agents to generate chlorine gas. Direct eye contact is likely to be irritating. Prolonged or repeated skin contact may cause light irritation. May cause gastrointestinal complaints if ingested. No significant hazard expected under normal use conditions.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a mixture. No ingredients are present at concentrations classified as hazardous to health or the environment under GHS-US / WHMIS 2015. No hazardous ingredient disclosures are required. All components are listed, or excluded from listing, on the TSCA inventory.

4. FIRST-AID MEASURES

General	If you feel unwell, seek medical advice. Show the label or SDS to medical personnel where possible.
Inhalation	Remove person to fresh air. Keep comfortable for breathing. Seek medical advice if symptoms persist.
Skin contact	Rinse skin thoroughly with water. Remove contaminated clothing and wash before reuse. Seek medical advice if irritation develops or persists.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical advice if irritation persists.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Seek medical advice if you feel unwell.

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Acute symptoms	Eye: likely to be irritating on direct contact. Skin: light irritation with prolonged contact. Inhalation: none under normal use. Ingestion: gastrointestinal complaints.
Delayed symptoms	Not expected under normal use conditions.
Medical attention	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	All extinguishing media are permitted.
Fire hazard	No fire hazard.
Explosion hazard	No direct explosion hazard.
Reactivity / combustion	Reacts with some acids: releases toxic and corrosive hydrogen chloride gas/vapour. Reacts with strong oxidizing agents to generate chlorine gas.
Firefighter instructions	Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.
Firefighter protection	Do not enter fire area without proper protective equipment including respiratory protection. Self-contained breathing apparatus (SCBA) recommended.

6. ACCIDENTAL RELEASE MEASURES

General measures	Isolate from fire if possible without unnecessary risk.
Personal precautions	Wear protective goggles, gloves, and protective clothing. Evacuate unnecessary personnel. Avoid contact with skin, eyes, and clothing. Ventilate spillage area.
Emergency responders	Equip cleanup crew with proper protection. Stop leak if safe to do so.
Environmental precautions	Avoid release to the environment. Prevent entry to sewers and public waters.
Containment	Contain released substance and pump into suitable labelled containers.
Clean-up	This material and its container must be disposed of in a safe manner and as per applicable local legislation.

7. HANDLING AND STORAGE

Safe handling	Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink, or smoke when using this product. Do not get in eyes, on skin, or on clothing. Comply with applicable legal requirements.
Hygiene measures	Wash hands thoroughly after handling. Wash contaminated clothing before reuse.
Storage conditions	Keep container closed when not in use. Store in a cool, dry area. Comply with applicable regulations.
Incompatible products	Strong acids. Strong oxidizing agents.
Incompatible materials	Heat sources. Open flame.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits	No occupational exposure limits established for this product or its components.
Engineering controls	Ensure good ventilation of the work area under normal use conditions.
Hand protection	Chemical-resistant gloves.
Eye / face protection	Safety glasses with side shields. Splash goggles for bulk handling or transfer.
Skin / body protection	Wear suitable protective clothing.
Respiratory protection	Not required under normal ventilated use conditions.
Environmental controls	Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Appearance	Clear, colourless liquid
Odour	No odour
Odour threshold	No data available
pH	6 – 8
Flash point	> 200°F (> 93°C) — closed cup
Flammability (solid/gas)	No data available
Explosion limits (UEL/LEL)	No data available
Explosive properties	No data available
Oxidising properties	No data available
Specific gravity / density	1.19 g/ml
Relative density	No data available
Vapour pressure	No data available
Vapour density at 20°C	No data available
Relative evaporation rate	No data available
Solubility	Soluble in water
Melting point	No data available
Freezing point	No data available
Boiling point / range	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Log Pow / Log Kow	No data available
VOC content	0

10. STABILITY AND REACTIVITY

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Reactivity	Reacts with some acids: releases toxic and corrosive hydrogen chloride gas/vapour. Reacts with strong oxidizing agents to generate chlorine gas.
Chemical stability	Stable under normal conditions.
Hazardous reactions	Refer to reactivity above.
Conditions to avoid	Heat sources. Open flame. Contact with strong acids and strong oxidizing agents.
Incompatible materials	Strong acids. Strong oxidizing agents.
Hazardous decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Not classified
Skin corrosion / irritation	Not classified (pH 6–8)
Serious eye damage/irritation	Not classified (pH 6–8)
Respiratory/skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT — single exposure	Not classified
STOT — repeated exposure	Not classified
Aspiration hazard	Not classified

Symptoms and Effects

Inhalation	None under normal use conditions.
Skin contact	Contact during a long period may cause light irritation.
Eye contact	Direct contact with the eyes is likely to be irritating.
Ingestion	Gastrointestinal complaints.

12. ECOLOGICAL INFORMATION

Aquatic toxicity	No additional information available.
Persistence/degradability	No additional information available.
Bioaccumulative potential	No additional information available.
Mobility in soil	No additional information available.
Other adverse effects	Avoid release to the environment. Prevent entry to sewers and public waters.

13. DISPOSAL CONSIDERATIONS

Waste disposal	Dispose in a safe manner in accordance with applicable local, provincial, and federal regulations.
Container disposal	Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

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TDG (Canada)	Not regulated
US DOT (49 CFR)	Not regulated for transport
IMDG (sea)	Not regulated
ICAO-IATA (air)	Not regulated
UN number	N/A
Packing group	N/A

15. REGULATORY INFORMATION

WHMIS 2015 (Canada)	Not a controlled product under WHMIS 2015.
TDG (Canada)	Not regulated.
TSCA (US)	All components of this product are listed, or excluded from listing, on the US EPA Toxic Substances Control Act (TSCA) inventory.
SARA Title III §313	This product does not contain any toxic chemical in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a).
California Prop 65	This product does not contain any substances known to the state of California to cause cancer and/or reproductive toxicity.
DSL/NDSL (Canada)	All ingredients are listed on or exempt from the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).
NFPA ratings	Health: 1 · Fire: 0 · Reactivity: 0

16. OTHER INFORMATION

Issue date	April 2026
Revision date	April 2026
Previous version	Total Solutions 'Snow Away' SDS, Version 1.0, September 14, 2015
Version	1.0
Supersedes	Total Solutions SDS for Snow Away (Product Code 0286), Version 1.0, dated September 14, 2015 — reissued under Chem International branding
Prepared by	Chem International Technical Services
Training	Normal use of this product shall be in accordance with the instructions on the packaging. Users should be trained according to the mandatory requirements of WHMIS 2015.

Disclaimer: This information is based on current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not be construed as guaranteeing any specific property of the product. No warranty, expressed or implied, is made regarding the accuracy of this data or the results obtained from its use. Chem International (a division of Aliysha Enterprises Ltd.) assumes no responsibility for personal injury or property damage caused by the material. Users assume all risks associated with the use of this material. This SDS is prepared in accordance with WHMIS 2015 / GHS and the Hazardous Products Regulations (HPR).