

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

OSTREM CHEMICAL CO. LTD.
2310 - 80 AVENUE
EDMONTON AB T6P 1N2

Phone: 780-440-1911 or 780-446-0177
In Case of Emergency Only:
phone CANUTEC at (613) 996-6666

Product name: SAFETY MELT

Code: I319

Other name:

Distributed by:

Product use: ice melter

Date completed: October 26, 2016

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	%W/W	CAS number
ammonium sulphate	60-100	7783-20-2

3. HAZARDS IDENTIFICATION

May cause temporary discomfort and redness to eyes.

4. FIRST AID MEASURES

Inhalation: Remove from exposure. Get fresh air.

Ingestion: Do not induce vomiting. If irritation persists, seek medical attention.

Eye contact: Flush with plenty of water for 15 minutes. Get medical attention if irritation persists.

Skin contact: Remove contaminated clothing and flush with plenty of water.

5. FIRE - FIGHTING MEASURES

Flash point (test method): Not applicable

Flammable limits (%): Non-flammable

Lower: Not applicable

Upper: Not applicable

Fire extinguishing substances: Use extinguishing media appropriate for surrounding fire.

Autoignition temperatures: Not applicable

Hazardous combustion products: May liberate ammonia and sulphur oxides.

Explosion data:

Sensitivity to mechanical impact: Not applicable

Sensitivity to static discharge: Not applicable

Special firefighting procedures: As for surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate protective equipment.

Environmental precautions: Prevent from entering sewers, waterways or low areas.

Methods for cleaning up: Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

7. HANDLING AND STORAGE

Handling: Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Storage: Keep out of reach of children. Keep container tightly closed. Store in a cool, dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

Respiratory protection: If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator

Eye protection: Not normally necessary. Safety glasses may be worn.

Other protection: Not normally necessary.

Exposure limits:

INGREDIENT	ACGIH	OSHA	Other
ammonium sulphate	Not available		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: solid	Solubility in water: 70%
Boiling point: Not available	Vapour pressure: Not available
Vapour density: Not available	Evaporation rate: Not available
Freezing point: effective to -30C	Odour threshold: 17 ppm for ammonia
Sp. Gravity: 1.000	pH: 1%: 7.0
Appearance & odour:	colourless or white crystals

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions of instability: Not available

Incompatibility: () Water (X) Oxidizers () Acid (X) Base () Other

Conditions of reactivity: Not available

Hazardous decomposition products: fumes of sulphur oxides, ammonia and nitrogen.

11. TOXICOLOGICAL PROPERTIES

POTENTIAL ACUTE HEALTH EFFECTS

Inhalation: Irritating to respiratory system.

Ingestion: May be harmful if swallowed.

Eye contact: May cause mild to severe irritation such as stinging, tearing, redness and swelling of the eyes.

Skin contact: May cause temporary discomfort

Skin absorption: Not available

POTENTIAL CHRONIC HEALTH EFFECTS:

Inhalation: Repeat or prolonged exposure may cause damage to lungs.

Ingestion: Not available

Eye contact: Not available

Skin contact: Prolonged contact may cause discomfort

Skin absorption: Not available

Irritancy of product:	See WHMIS criteria
Sensitization of product:	Not available
Carcinogenicity: IARC (1, 2A or 2B)	No known significant effects.
ACGIH: (A1, A2 or A3)	No known significant effects.
Reproductive toxicity:	No known significant effects.
Teratogenicity:	No known significant effects.
Mutagenicity:	No known significant effects.
Synergistic product:	Not available

HAZARDOUS INGREDIENTS	CAS NO.	TOXICITY DATA
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ammonium sulphate

7783-20-2 LD₅₀ Oral (rat) 2,840 - 4,540 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicological information: Not available

Other information:

13. DISPOSAL CONSIDERATIONS

Waste disposal: Disposal of all waste must be done according to local, provincial and federal regulations.

14. TRANSPORT INFORMATION

TDG classification: Not regulated

15. REGULATORY INFORMATION

WHMIS: Not controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. PREPARATION INFORMATION

Prepared by: Technical Services Department, Ostrem Chemical Co. Ltd., Ph: (780) 440-1911