

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: BE-402 POWDERED SPRAY

Code: N587

Other name:

Distributed by:

Product use: detergent

Date completed: April 01, 2014

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	%W/W	CAS number
Sodium Carbonate	30-60	497-19-8
Sodium metasilicate	15-40	6384-92-0

3. HAZARDS IDENTIFICATION

Corrosive powder. Causes burns to skin, eyes, nose, throat and lungs.

4. FIRST AID MEASURES

Inhalation: Remove from exposure. Get fresh air.

Ingestion:

Induce vomiting only on the direct advice of a poison control centre. Get medical attention.

Eye contact: Flush with plenty of water for at least 15 minutes.

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 carbon monoxide, carbon dioxide and oxides of sodium.

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: No special ventilation requirements.
Respiratory protection: Not normally necessary. An N95 NIOSH respirator may be worn.
Eye protection: Not normally necessary. Safety glasses may be worn.
Other protection: Not normally necessary.

Exposure limits:

INGREDIENT	ACGIH	OSHA	Other
Sodium carbonate	Not available		
Sodium metasilicate	Not available		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid	Solubility in water: 10%
Boiling point: Not applicable	Vapour pressure: Not applicable
Vapour density: Not applicable	Evaporation rate: Not applicable
Freezing point: Not applicable	Odour threshold: Not available
Sp. Gravity: Not applicable	pH: 1% sol. 11.5
Appearance & odour:	amber granular powder

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions of instability: Not available
Incompatibility: () Water (X) Oxidizers (X) Acid () Base () Other
Conditions of reactivity: Reacts with acids, aluminum, fluorine, lithium, strong mineral acids
Hazardous decomposition products: Not available

11. TOXICOLOGICAL PROPERTIES

POTENTIAL ACUTE HEALTH EFFECTS

Inhalation: Corrosive to respiratory system.
Ingestion: Harmful if swallowed. Causes burns to mouth, throat and stomach.

Eye contact:

Causes burns.

Skin contact: Causes burns.

Skin absorption: Not applicable

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 applicable

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

Sodium carbonate	497-19-8	LD50 Oral (rat) 4090 mg/kg LC50 Inhalation (rat) 2300 mg/m3
Sodium metasilicate	6834-92-0	LD ₅₀ Oral (rat) 847 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: E Corrosive Material

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