

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: PBT-20 POLYMER TREATMENT

Code: S772

Other name:

Distributed by:

Product use: water treatment

Date completed: April 01, 2014

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | %W/W | CAS number |
|------------------------------|-------|---------------|
| Polyacrylic Acid Sodium Salt | 15-40 | Not available |

3. HAZARDS IDENTIFICATION

Eye irritant. Harmful if swallowed.

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 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: Special ventilation requirements not normally necessary
Respiratory protection: Not normally necessary.
Eye protection: Not normally necessary. Safety glasses may be worn.
Other protection: Not normally necessary.

Exposure limits:

| INGREDIENT | ACGIH | OSHA | Other |
|-------------------------|----------------|------|-------|
| polyacrylic sodium salt | not applicable | | |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------------|--|-----------------------------|---------------|
| Physical state: | Liquid | Solubility in water: | Complete |
| Boiling point: | 100C | Vapour pressure: | Not available |
| Vapour density: | Not available | Evaporation rate: | Not available |
| Freezing point: | 0C | Odour threshold: | Not available |
| Sp. Gravity: | 1.12 | pH: | 8-8.5 |
| Appearance & odour: | light brown liquid with a slight odour | | |

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions of instability: Not available
Incompatibility: () Water (X) Oxidizers () Acid () Base () Other
Conditions of reactivity: Not available
Hazardous decomposition products: Not available

11. TOXICOLOGICAL PROPERTIES

POTENTIAL ACUTE HEALTH EFFECTS

Inhalation: No known significant effects
Ingestion: No known significant effects
Eye contact: May cause temporary discomfort and redness
Skin contact: May cause temporary discomfort
Skin absorption: Not available

POTENTIAL CHRONIC HEALTH EFFECTS:

Inhalation: No known significant effects
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 |
|-----------------------|---------|---------------|
| None | | |

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: D2B Material Causing Other Toxic Effects

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