MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION
OSTREM CHEMICAL CO. LTD. Phone: 780-440-1911 or 780-446-0177
2310 - 80 AVENUE In Case of Emergency Only:
EDMONTON AB T6P 1N2 phone CANUTEC at (613) 996-6666

Product name: BOWL CLEANER & SANITIZER 23%
Other name: Code: J450
Distributed by:
Product use: cleaner and sanitizer
Date completed: January 6, 2016

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>%W/W</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>muriatic acid</td>
<td>30-60</td>
<td>7647-01-0</td>
</tr>
<tr>
<td>n-alkyl dimethylbenzyl ammonium</td>
<td>0.5-1.5</td>
<td>68424-85-1</td>
</tr>
<tr>
<td>chloride</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION
Corrosive liquid. Causes burns. Harmful if swallowed.
Do not mix with bleach; poisonous chlorine gas will be liberated.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
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. Get medical attention.
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: Hydrogen and chlorine gas formed at temperatures over 1500C.
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

BOWL CLEANER SANITIZER 23%
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: Chemical goggles. Wear a face shield if splashing hazards exists.
Other protection: Wear protective clothing as necessary to prevent skin contact.

Exposure limits:

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>muriatic acid</td>
<td>5ppm PEL-C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-alkyl dimethylbenzyl ammonium chloride</td>
<td>Not available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Liquid</th>
<th>Solubility in water:</th>
<th>Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point:</td>
<td>Not available</td>
<td>Vapour pressure:</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour density:</td>
<td>Not available</td>
<td>Evaporation rate:</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing point:</td>
<td>Not available</td>
<td>Odour threshold:</td>
<td>Not available</td>
</tr>
<tr>
<td>Sp. Gravity:</td>
<td>1.11</td>
<td>pH:</td>
<td>1% solution: 1.4</td>
</tr>
<tr>
<td>Appearance &amp; odour:</td>
<td>opacified, blue liquid with sharp pungent odour</td>
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</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions of instability: Not available
Incompatibility: Incompatible with strong bases, metals, phosphines, acetylides, borides, carbides, silicides, vinyl acetate, formaldehyde, hypochlorites, Contact with hypochlorites (bleach) liberates chlorine gas. May react violently with incompatible substances.

11. TOXICOLOGICAL PROPERTIES

POTENTIAL ACUTE HEALTH EFFECTS

Inhalation: Irritating to respiratory system.
Ingestion: Harmful if swallowed. Causes burns to mouth, throat and stomach.
Eye contact: Corrosive to eyes. Causes severe burns.
Skin contact: Causes burns.
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: Not available
Skin absorption: Not available

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

<table>
<thead>
<tr>
<th>CAS NO.</th>
<th>TOXICITY DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>7647-01-0</td>
<td>LC50 (inhalation) mouse: 757ppm/4H</td>
</tr>
<tr>
<td></td>
<td>LD50 (oral) rabbit: 900mg/kg</td>
</tr>
<tr>
<td>68424-85-1</td>
<td>Not available</td>
</tr>
</tbody>
</table>

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: HYDROCHLORIC ACID, SOLUTION; Class 8; UN 1789; PG II

15. REGULATORY INFORMATION
WHMIS: E Corrosive Material
       D1A Very Toxic 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