

## 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:** LEMON SCRUB DETERGENT

Code: J454

**Other name:**

**Distributed by:**

**Product use:** Detergent

**Date completed:** April 01, 2014

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | %W/W | CAS number |
|------------|------|------------|
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### 3. HAZARDS IDENTIFICATION

May cause temporary discomfort and redness to skin and eyes.

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### 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.

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### 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.

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### 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.

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### 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.

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### 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 |
|----------------|-------|------|-------|
| Not applicable |       |      |       |

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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|--------------------------------------|--|
| <b>Physical state:</b> Liquid        | <b>Solubility in water:</b> Complete             |
| <b>Boiling point:</b> 100C           | <b>Vapour pressure:</b> Not available            |
| <b>Vapour density:</b> Not available | <b>Evaporation rate:</b> Not available           |
| <b>Freezing point:</b> Not available | <b>Odour threshold:</b> Not available            |
| <b>Sp. Gravity:</b> 1.0199           | <b>pH:</b> 1% sol.: 8.3                          |
| <b>Appearance &amp; odour:</b>       | Light amber, viscous liquid with lemon fragrance |

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**10. STABILITY AND REACTIVITY**

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

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**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

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

HAZARDOUS INGREDIENTS

None

CAS NO. TOXICITY DATA

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**12. ECOLOGICAL INFORMATION**

**Ecotoxicological information:** Not available

**Other information:**

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### **13. DISPOSAL CONSIDERATIONS**

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

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### **14. TRANSPORT INFORMATION**

**TDG classification:** Not regulated

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### **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.

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### **16. PREPARATION INFORMATION**

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