

## **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 LIQUID DISHWASH

Code: J432

**Other name:**

**Distributed by:**

**Product use:** manual dish detergent

**Date completed:** July 13, 2011

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### **2. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>%W/W</b>	<b>CAS number</b>
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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**

LEMON LIQUID DISHWASH

<b>Engineering controls:</b>	Special ventilation requirements not normally necessary
<b>Respiratory protection:</b>	Not normally necessary.
<b>Eye protection:</b>	Not normally necessary. Safety glasses may be worn.
<b>Other protection:</b>	Not normally necessary.

**Exposure limits:**

INGREDIENT	ACGIH	OSHA	Other
Not applicable			

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<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>	0C	<b>Odour threshold:</b>	Not available
<b>Sp. Gravity:</b>	1.038	<b>pH:</b>	7.3; 1% solution:7.5
<b>Appearance &amp; odour:</b>	yellow, viscous liquid with a lemon scent		

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## 10. STABILITY AND REACTIVITY

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

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## 11. TOXICOLOGICAL PROPERTIES

### POTENTIAL ACUTE HEALTH EFFECTS

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

### POTENTIAL CHRONIC HEALTH EFFECTS:

<b>Inhalation:</b>	No known significant effects
<b>Ingestion:</b>	Not available
<b>Eye contact:</b>	Not available
<b>Skin contact:</b>	Prolonged contact may cause discomfort
<b>Skin absorption:</b>	Not available

<b>Irritancy of product:</b>	See WHMIS criteria
<b>Sensitization of product:</b>	Not available
<b>Carcinogenicity:</b>	No known significant effects.
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	CAS NO.	TOXICITY DATA
None		

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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicological information:</b>	Not available
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**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