MATERIAL SAFETY DATA SHEET

OSTREM CHEMICAL CO. LTD.
2310 - 80 AVENUE
EDMONTON AB T6P 1N2

Phone: (780) 440-1911
In Case of Emergency Only:
Phone CANUTEC: (613) 996-6666

Date completed: Oct. 1, 2008

PRODUCT NAME: **HOUSEHOLD AMMONIA** **CODE: J469**
OTHER NAME:
DISTRIBUTED BY:

WHMIS CLASSIFICATION: D2B
TDG CLASSIFICATION: Not Regulated

HAZARDOUS INGREDIENTS	%WT/WT	CAS NO.	TOXICITY DATA (LD_{50} & LC_{50})
Ammonium Hydroxide	5%	1336-21-6	ACGIH TLV - 25 ppm LD_{50} Oral (rat) 350 mg/kg

PHYSICAL DATA FOR PRODUCT
Physical State: Liquid Sp. Gravity: 0.988 pH: 11.7 1% sol. - 10.2
Boiling Point: Not Avail. Vapour Pressure: Not Avail.
Vapour Density: 0.6 for Ammonia (Air=1) Evaporation Rate: Not Avail.
Freezing Point: 0°C
Solubility in Water: 100%
Appearance & Odour: Clear, colorless liquid with pungent odour.

FIRE AND EXPLOSION DATA FOR PRODUCT
Flash Point (Test Method): N/A
Flammable Limits in Air, % by vol. Non-flammable Lower: N/A Upper: N/A
Fire Extinguishing Substances: (X) Water Fog ( ) Foam (X) CO_2
(X) Dry Chem ( ) Other:
Hazardous Combustion Products: Ammonia will be liberated, carbon oxides.

Special Firefighting Procedures: Use fog to drift over liquid while flushing.

REACTIVITY DATA FOR PRODUCT
Incompatibility: ( ) Water ( ) Oxidizing Material (X) Acid ( ) Base
(X) Other: Calcium hypochlorite, bleaches, gold, mercury or silver.

Hazardous Decomposition Products: Ammonia.

Chemical Stability: Stable under normal conditions.

*N/A - Not applicable.

Product Name: **HOUSEHOLD AMMONIA**

HEALTH HAZARD INFORMATION FOR PRODUCT
EMERGENCY and FIRST AID PROCEDURES
Inhalation: Move to fresh air.

Ingestion: Rinse mouth well with water. Drink large quantities of water or milk. Do not induce vomiting. Get medical attention.

Eyes: Flush with plenty of water for at least 15 minutes. Get medical attention.

Skin: Flush with plenty of water.

EFFECTS OF OVEREXPOSURE (Acute and Chronic)
Inhalation: May cause irritation of upper respiratory tract.

Ingestion: May cause burning in mouth and esophagus; nausea and vomiting. Glycol ether has a toxic effect on the red blood cells.

Eyes: May cause irritation to eyes.

Skin: May cause irritation.

PREVENTIVE MEASURES
Steps to be taken upon release or spillage (including neutralizing):
With large spills, dyke for later disposal. Neutralize with diluted acid - like hydrochloric or sulfuric acid. Minor spills can be neutralized and flushed with plenty of water.

Waste disposal method:
Waste product should not be discharged into sewers or streams. It should be first neutralized with dilute acid and then discharged according to federal, local and provincial regulations.

Handling and Storage Requirements:
Store in cool area above freezing point of product.

Ventilation Requirements (Local or General):
General ventilation is usually sufficient.

Respiratory Protection:
Not normally necessary.

Eye Protection:
Chemical Workers goggles.

Other Protection:
Rubber, vinyl or neoprene gloves and coveralls should be worn to prevent contact with skin and clothing.