



# MATERIAL SAFETY DATA SHEET

Page 1 of 3

## SECTION 1 - COMPANY INFORMATION

### Upholstery Detergent

**Product usage:** For hot water extraction cleaning of upholstery at 2 oz/gal. of water.  
**Product type:** Aqueous ammoniated detergent blend.  
**WHMIS Class:** Toxic material, Class D2B (eye & skin irritant)  
**Hazard Rating:** HEALTH: (2) Moderate; FIRE (0) Insignificant; REACTIVITY: (1) Slight  
**TDG Class:** Not Regulated

**Supplier name and address:**  
Corporate Chemicals & Equipment  
7 Neilson Street  
St. Catharines, ON L2M 5V9  
(905) 682-8888

**Manufacturer's name and address**  
Refer to Supplier



**Emergency Telephone# CANUTEC (613) 996-6666**

## SECTION 2 - HAZARDOUS INGREDIENTS

INGREDIENT	%	CAS#	TOXICITY
Ammonia (as NH3) Ammonium hydroxide Note ammonia gas is:	1 - 5	7664-41-7	TLV (NH3) 25 PPM or 18 mg/m3, Corrosive, LD50 (oral rats) 340 mg/kg, Toxic Perceptible at 5 PPM Causes discomfort at 150 - 200 PPM Severely irritating at 400 - 700 PPM May be fatal within 30 minutes at 2000 - 3000 PPM Immediately fatal at 10,000 PPM

## SECTION 3 - HAZARDS IDENTIFICATION

### Potential Acute Health Effects:

**Eye Contact:** Liquid, vapor, or mist causes irritation, experienced as stinging, excess blinking and tear production, with excess redness of the conjunctiva. Corrosive to eye tissue and may cause severe damage and blindness.

## SECTION 4 - FIRST AID MEASURES

**Skin:** Remove contaminated clothing immediately. Wash exposed areas with copious amounts of running water. May be neutralized with sodium bicarbonate, Epsom salts, or vinegar. Call a physician if necessary.

**Eyes:** Flush with running water for 20 minutes lifting the upper and lower eyelids occasionally. Get medical attention.

**Ingestion:** Drink large quantities of milk or water, if possible. Do not induce vomiting. Other demulcent drinks may be helpful (e.g. raw egg whites, aluminum hydroxide gels). Avoid mineral oil and alcohol. Oxygen therapy and other measures against pulmonary edema, as indicated. Call a physician immediately.

**Inhalation:** Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse. Obtain medical attention immediately.

## SECTION 5 - FIRE FIGHTING MEASURES

**Flash point:** Non-flammable  
**Flammability:** Non-flammable  
**Combustion products:** On heating, ammonia gas is given off.  
**To Extinguish:** Not applicable  
**Other:** Fire fighters use self-contained breathing apparatus and protective clothing.



# MATERIAL SAFETY DATA SHEET

Page 2 of 3

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal Precautionary Measures:** Wear appropriate protective equipment.

**Environmental Precautionary Measures:** Prevent entry into sewers or streams, dike if needed. Consult local authorities.

**Procedure for Clean Up:** Isolate hazard area and restrict access. Neutralize contamination area and flush with large quantities of water. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. Absorb with an inert dry material and place in an appropriate waste disposal container.

## SECTION 7 - HANDLING AND STORAGE

As with all chemicals there are known and unknown effects on humans.  
Minimize exposure of all chemicals, including this product, to skin, respiratory system, and eyes.  
Keep out of reach of children. Avoid contamination of food.  
Wash thoroughly after handling. Store in cool dry area. Do not freeze.

## SECTION 8 - EXPOSURE CONTROLS & PROTECTIVE EQUIPMENT

<b>Ventilation:</b>	Provide adequate building ventilation with fresh air.
<b>Breathing</b>	Protection: Suitable breathing mask if mists or vapours are present.
<b>Skin Protection:</b>	Optional: rubber gloves, rubber boots, barrier cream.
<b>Eye Protection:</b>	Safety glasses with side shields when there is potential for eye contact. Contact lenses should not be worn

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Colourless liquid	<b>Density (g/ml):</b>	1.02
<b>pH as is:</b>	10.0 - 10.5	<b>Freezing point:</b>	0 Deg. C.
<b>pH use dilution:</b>	9.5 - 10.0	<b>Boiling Point:</b>	102 Deg. C.
<b>Solubility in water:</b>	Complete	<b>Evaporation Rate:</b>	Same as water
<b>Odour:</b>	Pungent, Ammonia odour	<b>Viscosity:</b>	Same as water

## SECTION 10 - REACTIVITY & STABILITY DATA

Dangerous gas formed when mixed with chlorine bleach or products containing chlorine bleach. Product is stable. Avoid acids, oxidizing materials, copper, aluminum, zinc, gold, tin, silver, and alloys of these metals. Hazardous polymerization will not occur. Hazardous decomposition products: Ammonia gas, and oxides of nitrogen.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Effects of Acute Exposure to:

<b>Skin:</b>	Liquids and mists may cause skin irritation, defatting, dermatitis. Open sores may be particularly painful.
<b>Eyes:</b>	Vapors, liquid, and mists are severely irritating to the eyes. Brief contact of the vapors may be severely irritating. Brief contact of the liquid or mists may severely damage the eyes and prolonged contact may cause permanent eye injury.
<b>Ingestion:</b>	Vapors, mists and liquid are corrosive to the mouth and throat. Swallowing the liquid burns the tissues, causes severe abdominal pain, nausea, vomiting, and collapse.
<b>Inhalation:</b>	Vapors and mists are irritating to the nose, throat, and mucous membranes. Bronchitis, pulmonary edema, and chemical pneumonitis may occur. Irritation, coughing, chest pain, and difficulty in breathing may occur with brief exposure while prolonged exposure may result in more severe irritation and tissue damage.
<b>Other:</b>	At use dilution of 2 oz./gal. of water the above hazards are minimal.



# MATERIAL SAFETY DATA SHEET

Page 3 of 3

## SECTION 12 - ECOLOGICAL INFORMATION

### Ecotoxicological Information:

#### Toxicity:

Ingredients	Ecotoxicity - Fish Species Data	Acute Crustaceans Toxicity	Ecotoxicity - Freshwater Algae Data
Water	Not Available.	Not Available.	Not Available.
Ammonia	LC50 (Lepomis macrochirus) 0.26 - 4.6 mg/L LC50 (Pimephales promelas) 0.73 - 2.35 mg/L LC50 (Cyprinus carpio) 1.1 mg/L LC50 (Poecilia reticulata) 1.5 mg/L	Not Available.	Not Available.

#### Other Information:

This material is expected to be toxic to aquatic life.

## SECTION 13 - WASTE DISPOSAL

**Disposal method:** Provide good ventilation. Wear protective gloves, eye goggles, ammonia respirator. Neutralize with vinegar. Dispose of neutralized material in sanitary sewer or pickup with absorbent material. For large quantities, contact local environmental department, and government authorities.

## SECTION 14 - TRANSPORTATION INFORMATION

TDG (Canada):  
TDG Proper Shipping Name: AMMONIA SOLUTION  
Hazard Class: 8  
UN Number: UN2672  
Packing Group: III  
Note: No additional remark.  
Marine Pollutant: No.

## SECTION 15 - REGULATORY INFORMATION

**MSDS Prepared by:** Technical Dept. **Telephone:** (905) 682-8888

## SECTION 16 - OTHER INFORMATION

References: Suppliers Material Safety Data Sheets.

**Preparation Date: July 1/2011**

NOTICE: The data and information presented herein are based upon tests, research and reports which are considered by us to be reliable and believed to be accurate. The data and information are presented without warranty, guarantee or liability on our part, and are presented to the customer for his own consideration, investigation and verification. If user requires independent information on ingredients in this or any other material, we recommend contact with Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905 572-4400)