



# MATERIAL SAFETY DATA SHEET

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## SECTION 1 - COMPANY INFORMATION

### AS-30 Shampoo

**Product usage:** Carpet Cleaner  
**WHMIS Class:** D-2B  
**TDG Class:** Not Regulated  
**Poison Control:** In Ontario 1-800-268-9017 In Toronto: 416-813-5900

TDG Class: Not Controlled

**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#	%	ACGIH-TLV	LC50	LD50
2-Butoxyethanol	111-76-2	1-5	25 ppm skin	470 mg/kg oral, rat 220 mg/kg dermal, rbt	1500 mg/kg oral, rat
Isopropanol	67-63-0	1-10	400 ppm skin	2000 ppm/8hr inhalation rat	4.7 g/kg oral, rat 12.9 g/kg dermal, rbt

## SECTION 3 - HAZARDS IDENTIFICATION

Effects of Acute Exposure to:

**Skin:** May cause skin irritation, defatting, chapping, dermatitis.

**Eyes:** Irritating and may cause corneal injury.

**Ingestion:** Accidental ingestion may cause burning pain in mouth, esophagus and stomach.

**Inhalation:** If misted, causes irritation of mucous membranes, coughing.

**Other:** On chronic skin exposure, pure 2-butoxyethanol may be absorbed causing blood changes as listed for pure chemical. Dilution within formulated product minimizes hazard.

## SECTION 4 - FIRST AID MEASURES

**Skin:** Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Seek medical attention if irritation develops.

**Eyes:** Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Seek medical attention if irritation develops.

**Ingestion:** Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Seek medical attention, or contact poison control centre immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

**Inhalation:** Move victim to fresh air. Seek medical attention immediately

## SECTION 5 - FIRE FIGHTING MEASURES

**Conditions of Flammability:** Not flammable by WHMIS criteria. Flash point: None

**Means of Extinction:** Not applicable

**Upper flammable limit:** Not applicable Lower flammable limit: Not applicable

**Auto-ignition temperature:** Not applicable

**Hazardous combustion products:** Oxides of carbon and nitrogen after drying

**Explosion Data:** Sensitivity to mechanical impact and static discharge: None

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Disposal method: Sanitary sewer or dry absorbent material. For large quantities, check with local environmental department, and government authorities.



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## SECTION 7 - HANDLING AND STORAGE

<b>Breathing Protection:</b>	Suitable breathing mask or respirator if mists or vapours are present.
<b>Skin Protection:</b>	Rubber gloves, rubber boots, or barrier cream if contact is expected.
<b>Eye Protection:</b>	Safety glasses with side shields when there is potential for eye contact
<b>Engineering Controls:</b>	Normal building ventilation is adequate.
<b>Leak and Spill Procedure:</b>	Refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
<b>Waste Disposal:</b>	Review federal, provincial, and local government requirements prior to disposal.
<b>Storage Requirements:</b>	Keep out of reach of children. Do not freeze. Store in a closed container away from incompatible materials.
<b>Shipping Information:</b>	Do not freeze.

## SECTION 8 - EXPOSURE CONTROLS & PROTECTIVE EQUIPMENT

Ventilation: Evaporation of solvent in product requires good fresh air ventilation.  
Breathing Protection: Suitable breathing mask if mists or vapours are present.  
Skin Protection: Optional: rubber gloves, rubber boots, barrier cream.  
Eye Protection: Safety glasses with side shields when there is potential for eye contact.  
Contact lenses should not be worn as product may lodge under lens.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Evaporation Rate:</b>	Same as water.
<b>Odour and Appearance:</b>	Slightly sweet, white liquid	<b>Boiling Point:</b>	100 Deg. C.
<b>Odour Threshold:</b>	Not available	<b>Freezing point:</b>	0 Deg. C.
<b>Specific Gravity:</b>	1.02 (Water=1)	<b>pH as supplied:</b>	6 - 8
<b>Vapour Pressure:</b>	Not available	<b>pH use dilution:</b>	6 - 8
<b>Vapour Density:</b>	Not available	<b>Water/Oil Dist. Coeff.:</b>	Not available

## SECTION 10 - REACTIVITY & STABILITY DATA

**Chemical Instability:** Product is stable. Conditions of Reactivity: None  
**Incompatibility:** Strong concentrated acids, oxidizing and reducing agents. Do not mix with chlorine bleach.  
**Hazardous Decomposition Products:** May produce oxides of carbon and nitrogen when burned

## SECTION 11 - TOXICOLOGICAL INFORMATION

Route of Entry: Skin contact, eye contact, inhalation, and ingestion.  
Effects of Acute Exposure

**Skin:** May cause skin irritation, defatting, chapping, dermatitis.  
**Ingestion:** May cause nausea or vomiting. Eyes: Irritation  
**Inhalation:** If misted, may cause irritation of mucous membranes, coughing and difficulty breathing.

**Effects of Chronic Exposure:** Prolonged or repeated exposure can cause skin irritation, defatting, chapping, dermatitis. On chronic skin exposure, 2-butoxyethanol may be absorbed causing blood changes as listed for pure chemical. Dilution of product minimizes hazard.

<b>Exposure Limits:</b>	Not available	<b>Irritancy of Product:</b>	Not available
<b>Sensitization:</b>	Not available	<b>Teratogenicity:</b>	Not available
<b>Carcinogenicity:</b>	None	<b>Mutagenicity:</b>	Not available
<b>Reproductive Toxicity:</b>	Not Available	<b>Toxicologically Synergistic Products:</b>	Not Available



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## TOXICOLOGICAL INFORMATION Cont./

Ingredient name	Test	Route	Result	Species
2-butoxyethanol	LD50	Dermal	230uL/kg	Guinea pig
	LD50	Oral	320 mg/kg	Rabbit
	LD50	Oral	250 mg/kg	Rat
LC50	Inhalation		2900 mg/m3	Rat
LC50 Inhalation 450 ppm Rat				
acetic acid, (ethylenedinitrilo)tetra-, tetrasodium salt				
LD50 Oral 10 g/kg Rat				

## SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	Not Available
BOD5 and COD	Not Available
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Ecotoxicity Ingredient name	Species	Period	Result
2-butoxyethanol	Fish	96 hours	Acute LC50 1490 mg/L

## SECTION 13 - WASTE DISPOSAL

Disposal method: Flush contaminated area with plenty of water. Contaminated material should not be placed in original container. For large spills, check with local environmental department, and government authorities.

## SECTION 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

UN Classification  
UN number  
Proper shipping name  
Class  
Packing group  
Additional information

See shipping documents for specific transportation information

## SECTION 15 - REGULATORY INFORMATION

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

## SECTION 16 - OTHER INFORMATION

References: Suppliers Material Safety Data Sheets. Prepared by: Technical Dept.

Preparation Date: May 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)