

# MATERIAL SAFETY DATA SHEET

Product Name: **DAX**

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SUPPLIED BY: Five Seasons Comfort Limited  
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DAX is Not Considered Hazardous as a consumer product by Government of Canada Consumer Product Regulations as pH is below 11.5

## SECTION I

## PRODUCT INFORMATION

**Product usage:** DETERGENT FOR ELECTRONIC AIR CLEANER CELLS  
**Product type:** WATER BASED MODERATELY ALKALINE-ORGANIC-INORGANIC CHEMICAL BLEND  
**WHMIS Class:** Toxic material, CLASS D-2B (Eye & Skin Irritant)  
**Hazard Rating:** HEALTH: (1) Slight; FIRE (0) Insignificant; REACTIVITY: (0) Insignificant  
**TDG Class:** Not regulated

## SECTION II

## HAZARDOUS INGREDIENTS

INGREDIENT	%	CAS#	TOXICITY
Sodium Nitrilotriacetate	1 - 5	5604-31-3	LD50 (oral rats) >2 g/kg
Nonionic surfactant	1 - 5		Eye Irritant
2-Butoxyethanol (Ethylene Glycol Monobutyl Ether)	1 - 5	111-76-2	LD50(oral rats) 470mg/kg; TLV 25 ppm; LD50 (dermal rabbit) 220 mg/kg LC50 450ppm/4hr (rat). Chronic: may cause blood changes, headache, drowsiness, dizziness, weakness, tremor
Sodium Carbonate	1 - 5	497-19-8	LD50 (oral rats) 2.8 g/kg. Eye Irritant

## SECTION III

## PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear blue liquid	<b>Density (g/ml):</b>	1.03
<b>pH as is:</b>	11.0 - 11.5	<b>Freezing point:</b>	0 Deg. C.
<b>pH use dilution:</b>	11.0 - 11.5	<b>Boiling Point:</b>	100 Deg. C.
<b>Solubility in water:</b>	Soluble in all proportions	<b>Evaporation Rate:</b>	Same as water.
<b>Odour:</b>	Slightly sweet	<b>Viscosity:</b>	As water.

## SECTION IV

## FIRE AND EXPLOSION HAZARDS

**Flash point:** Over 100 Deg. C.  
**Flammability:** Non-flammable  
**Combustion products:** Oxides of carbon and nitrogen after drying  
**To Extinguish:** Not applicable  
**Other:** None

## SECTION V

## HEALTH HAZARD DATA

### Effects of Acute Exposure to:

**Skin:** May cause skin irritation, defatting, chapping, dermatitis with extended exposure  
**Eyes:** Irritating and may cause corneal injury.  
**Ingestion:** Accidental ingestion may cause burning pain in mouth, oesophagus and stomach.  
**Inhalation:** If misted, may cause irritation of mucous membranes.  
**Other:** On chronic skin exposure, 2-butoxyethanol may be absorbed causing temporary blood changes as listed for pure chemical. Since product is diluted, hazard is reduced.

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## SECTION V

## HEALTH HAZARD DATA

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### First Aid Procedures...

- Skin:** Remove contaminated clothing immediately. wash exposed areas with copious amounts of running water.  
May be neutralized with sodium bicarbonate, Epsom salts, or vinegar.  
Obtain medical attention if necessary.
- Eyes:** Flush with water running water for 30 minutes lifting the upper and lower eyelids occasionally. Remove contact lenses. Get medical attention.
- Ingestion:** Do not induce vomiting. If victim is alert and not convulsing, give 1-2 glasses of water to dilute material. Immediately contact local poison control centre. Vomiting should be induced under the direction of a physician or a poison control centre. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer more water. Immediately transport victim to an emergency facility.
- Inhalation:** Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no is no breathing and no pulse. Obtain medical attention immediately.

## SECTION VI

## REACTIVITY DATA

Product is stable. Do not mix with strong acids, alkalis; oxidizing and reducing agents. Do not mix with chlorine bleach. Hazardous polymerization will not occur.

## SECTION VII

## CLEANUP OF SPILLS OR LEAKS

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

## SECTION VIII

## SPECIAL PROTECTION

- Ventilation:** Normal building ventilation is adequate.
- Breathing Protection:** Suitable breathing mask or respirator if mists or vapours are present.
- Skin Protection:** Rubber gloves, rubber boots, or barrier cream if contact is extended.
- Eye Protection:** Safety glasses with side shields when there is potential for eye contact

## SECTION IX

## SPECIAL PRECAUTIONS

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.

References: Suppliers Material Safety Data Sheets.

Prepared by: Technical Dept.

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)