

AIRX 44 Plus

SECTION 1. IDENTIFICATION

Product Identifier	AIRX 44 Plus
Other Means of Identification	Airx 44+
Product Family	Airx
Recommended Use	Disinfectant.
Manufacturer	W.E. Greer Ltd., 14704 - 119 Avenue, Edmonton, AB, T5L 2P1, 780-451-1516, www.wegreer.com
Emergency Phone No.	CANUTEC, 1-888-226-8832, You can call *666 on your cellular phone

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) - Category 4; Acute toxicity (Dermal) - Category 4; Acute toxicity (Inhalation) - Category 5; Skin corrosion/irritation - Category 1; Serious eye damage/eye irritation - Category 1

GHS Label Elements

Pictogram: Corrosion; Exclamation mark

Danger

Harmful if swallowed.

Causes severe skin burns and eye damage.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Drink milk, egg whites, gelatin solution or if none of these are available, drink large quantities of water.

IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Ammonium, didecyldimethyl-, chloride	7173-51-5	2.5	
Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	68424-85-1	1.5	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice/attention if you feel unwell or are concerned.

Skin Contact

Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. Clean clothing, shoes and leather goods. Get medical advice/attention if you feel unwell or are concerned.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice/attention.

Ingestion

If swallowed, drink milk, egg whites, gelatin solution or if none of these are available, drink large quantities of water. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Centre or doctor.

First-aid Comments

Notes to physician: Symptoms may be delayed.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Specific Hazards Arising from the Chemical

In a fire, the following hazardous materials may be generated:
Oxides of carbon. Oxides of nitrogen. Ammonia. Hydrogen chloride.

Special Protective Equipment and Precautions for Fire-fighters

Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Evacuate downwind locations.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so. Dike spilled product to prevent runoff. Prevent entry into waterways, sewers, basements, or confined areas.

Place used absorbent into suitable, covered, labelled containers for disposal. Contact emergency services and manufacturer/supplier for advice. Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Only use where there is adequate ventilation. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. When using, do not eat or drink. Wash hands thoroughly after handling this material.

Conditions for Safe Storage

Keep out of reach of children. Separate from incompatible materials (see Section 10: Stability and Reactivity). Avoid contamination of food. Do not store in food processing or food storage areas.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Ethanol		1000 ppm A3				
Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	Not established					

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Sodium hydroxide		2 mg/m3				
Ammonium, didecyldimethyl-, chloride	Not established					

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Not usually required when working with small quantities.

For non-routine or emergency situations: wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear green viscous liquid.
Odour	Sweet (d-Limonene)
pH	10.68 - 10.93
Initial Boiling Point/Range	100 °C (212 °F)
Relative Density (water = 1)	1.000 - 1.006
Solubility	Soluble in water
Other Information	
Physical State	Liquid
Other Physical Property 1	Percent Volatile: 93.5 - 94.8

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Do not mix with soap or anionic solutions. Incompatible with acids and oxidizers.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Do not mix with other chemicals.

Incompatible Materials

Acid anhydrides (e.g. acetic anhydride), organic acids (e.g. acetic acid), inorganic acids (e.g. hydrofluoric acid), strong oxidizing agents (e.g. perchloric acid).

Hazardous Decomposition Products

May include but not limited to: Oxides of carbon. Corrosive, flammable ammonia; corrosive, oxidizing nitrogen oxides; corrosive hydrogen chloride.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Ethanol		7060 mg/kg (male rat)	

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Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides		426 mg/kg (rat)	
Ammonium, didecyl dimethyl-, chloride		268 mg/kg (mouse)	

Skin Corrosion/Irritation

Causes skin damage.

Serious Eye Damage/Irritation

May cause eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause respiratory tract irritation.

Skin Absorption

Symptoms may include redness, rash, swelling and itching.

Ingestion

May cause Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause Symptoms may include dry, red, cracked skin (dermatitis). Symptoms can include redness, rash, swelling and itching.

Carcinogenicity

Not a carcinogen.

Reproductive Toxicity

Development of Offspring

Does not cause harm to the unborn child.

Sexual Function and Fertility

Does not cause effects on sexual function or fertility.

SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Registered product - (DIN 01975633).

Canada

WHMIS Classification

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the NDSL.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 2** **Flammability - 0** **Instability - 0**

SDS Prepared By W.E. Greer Ltd.

Phone No. 780-451-1516

Date of Preparation June 17, 2016

Disclaimer Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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