

Airx 81

SECTION 1. IDENTIFICATION

Product Identifier Airx 81
Product Family Airx
Recommended Use Carpet Cleaner.
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. HAZARD IDENTIFICATION

Classification

Flammable liquid - Category 3; Acute toxicity (Inhalation) - Category 4; Skin irritation - Category 3; Serious eye damage - Category 2; Specific target organ toxicity (single exposure) - Category 3

Label Elements



Signal Word:
Warning

Hazard Statement(s):

Flammable liquid and vapour.
Harmful if inhaled.
Causes serious eye irritation.
Causes mild skin irritation.
May cause respiratory irritation.

Precautionary Statement(s):

Prevention:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Avoid breathing mist, spray.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, eye protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation occurs: Get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTRE or doctor if you feel unwell.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Immediately call a POISON CENTRE or doctor.

Storage:

Store in a well-ventilated place. Keep container tightly closed.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
2-Propanol	67-63-0	5	
2-Butoxyethanol	111-76-2	4.5 - 5	
Tetrapotassium pyrophosphate	7320-34-5	3	
Sodium carbonate	497-19-8	1.5	
Tetrasodium ethylenediaminetetraacetate	64-02-8	1.1 - 1.2	
Alcohols, C12-16, ethoxylated, liquids	68551-12-2	0.6 - 1	
Poly(oxy-1,2-ethanediyl), alpha-hydro- omega-hydroxy-, mono-C6-12-alkyl ethers, phosphates	68921-24-4	0.6 - 0.1	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

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

Skin Contact

Rinse with lukewarm, gently flowing water for 5 minutes. Get medical advice or attention if you feel unwell or are concerned.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. 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.

Immediate Medical Attention and Special Treatment

Target Organs

Eyes, respiratory system, skin, digestive system.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam.

Specific Hazards Arising from the Product

Can ignite if strongly heated.

May include but is not limited to: very toxic carbon monoxide, carbon dioxide; corrosive phosphorous oxides.

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.

Product Identifier: Airx 81

Date of Preparation: January 18, 2017

Page 02 of 06

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so. Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Large spills or leaks: do NOT use combustible materials such as sawdust. Contact emergency services and manufacturer/supplier for advice.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Avoid breathing in this product. Only use where there is adequate ventilation. Avoid generating vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent accidental contact with incompatible chemicals. Wash hands thoroughly after handling this material.

Conditions for Safe Storage

Store in an area that is: out of direct sunlight and away from heat and ignition sources, separate from incompatible materials (see Section 10: Stability and Reactivity). Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Sodium carbonate	Not established		Not established			
Tetrapotassium pyrophosphate	Not established		Not established			
2-Butoxyethanol	20 ppm A3		25 ppm			
Alcohols, C12-16, ethoxylated, liquids	Not established		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 normally required if product is used as directed. Where exposure guidelines may be exceeded: wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear liquid.
Odour	Characteristic
pH	10.35 - 10.54
Initial Boiling Point/Range	92 °C (198 °F)
Flash Point	60 °C (140 °F)
Relative Density (water = 1)	1.035 - 1.046
Solubility	Soluble in all proportions in water

Product Identifier: Airx 81

Date of Preparation: January 18, 2017

Page 03 of 06

Other Information

Physical State

Liquid

Other Physical Property 1

Percent volatile: 90.6 - 91.5

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

High temperatures. Incompatible materials.

Incompatible Materials

Oxidizing agents (e.g. peroxides), strong oxidizing agents (e.g. perchloric acid).

Hazardous Decomposition Products

May include but not limited to: very toxic carbon monoxide, carbon dioxide; corrosive phosphorous oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; skin absorption; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium carbonate	1150 mg/m ³ (male rat) (4-hour exposure)	2800 mg/kg (rat)	> 2000 mg/kg (rabbit)
2-Butoxyethanol	450 ppm (female rat) (4-hour exposure)		
2-Propanol	17000 ppm (rat) (4-hour exposure)	4720 mg/kg (male rat)	12890 mg/kg (rabbit)

Skin Corrosion/Irritation

May cause mild irritation based on information for closely related chemicals.

Serious Eye Damage/Irritation

May cause serious eye irritation based on information for closely related materials.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause nose and throat irritation.

Skin Absorption

May be absorbed through the skin. (2-Butoxyethanol)

Ingestion

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

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
2-Butoxyethanol	Group 3	A3		
2-Propanol		A4		

IARC: Group 3 – Not classifiable as to its carcinogenicity to humans. ACGIH®: A3 – Confirmed animal carcinogen.

Product Identifier: Airx 81

Date of Preparation: January 18, 2017

Page 04 of 06

(2-Butoxyethanol)
ACGIH®: A4 – Not classifiable as a human carcinogen. (2-Propanol)

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

Ecotoxicity

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Sodium carbonate	300 mg/L (Lepomis macrochirus (bluegill); 96-hour; fresh water; static)	228 mg/L (Daphnia magna (water flea))		
Tetrapotassium pyrophosphate	> 100 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour)	> 100 mg/L (Daphnia magna (water flea); 48-hour)		
Tetrasodium ethylenediaminetetraacetate	486 mg/L (Lepomis macrochirus (bluegill); 96-hour; static)	19000 mg/L (Pseudokirchneriella subcapitata (algae); 96-hour)		

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1993	Flammable Liquid (2-Propanol)	3	III

Special Precautions Not applicable

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

Not applicable

Other Information Packaging exceptions: < 450L - not regulated

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

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

All ingredients are listed on the DSL or are not required to be listed.

CEPA - National Pollutant Release Inventory (NPRI)

Part 1A, Part 5. (2-Propanol). (2-Butoxyethanol)

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 2	Flammability - 2	Instability - 2
SDS Prepared By	W.E. Greer Ltd.		
Phone No.	780-451-1516		

Product Identifier: Airx 81

Date of Preparation: January 18, 2017

Date of Preparation

January 18, 2017

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.

Airx 81



Signal Word:
Warning

Hazard Statement(s):
Flammable liquid and vapour.
Harmful if inhaled.
Causes serious eye irritation.
Causes mild skin irritation.
May cause respiratory irritation.

Precautionary Statement(s):

Prevention:
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Avoid breathing mist, spray.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, eye protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation occurs: Get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTRE or doctor if you feel unwell.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Immediately call a POISON CENTRE or doctor.
Storage:
Store in a well-ventilated place. Keep container tightly closed.
Disposal:
Dispose of contents and container in accordance with local, regional, national and international regulations.

W.E. Greer Ltd.

14704 - 119 Avenue, Edmonton, AB, T5L 2P1, www.wegreer.com

780-451-1516