

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company

1.1 Product identifier

**Product Name: AquaKleen™
Cleaner (Type AQ)**

Product ID numbers: AQ-2DR, AQ-2LP, AQ-35LF
AQ-XXX (Where XXX is the package code.)

1.2 Relevant identified uses of the mixture and uses advised against

Identified uses: Water-based cleaning solution, no residue for precision cleaning.

List of advices against: Not applicable.

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer:

American Polywater Corporation
11222 - 60th Street North
Stillwater, MN 55082 USA
Tel: 1-651-430-2270
Email: sds@polywater.com

Powerhouse Electric Limited
289 Rosebank Road,
Avondale, Auckland 1026, NZ
09 373 4487

1.4 Emergency telephone numbers

INFOTRAC: 1-800-535-5053 (USA) 1-352-323-3500 (INT'L)
NPC (National Poison Centre) 0800 764 766 and 0800 Poison

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to USA OSHA 29 CFR 1910.1200 (2012) and Canada HPR (SOR/2015-17; WHMIS 2015).

Skin Irritation: Skin Irrit 3 H315

Flammable: Flam Liq 4 H227

2.2 Label elements

Contains: 1-Butoxy-2-propanol, Isopropanol

Pictograms: None required.

Signal Word: Warning

Hazard Statements:

H316 Causes mild skin irritation.

H227 Combustible liquid.

Precautionary Statements:

P210 Keep away from flames and hot surfaces. No smoking.

P280 Wear protective gloves.

P332+P313 If skin irritation occurs: Get medical attention.

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local regulations.

2.3 Other hazards:

No information available.

3. Composition/Information on Ingredients

Component	CAS #	EC #	Wt. %
1-Butoxy-2-propanol	5131-66-8	225-878-4	1 - 5
Dipropylene glycol monomethyl ether	34590-94-8	252-104-2	1 - 5
Isopropanol	67-63-0	200-661-7	<1

4. First Aid Measures

4.1 Description of first aid measures

Eye Contact: Flush eyes with a large quantity of water for 15 minutes. If irritation continues, seek medical attention.

Skin Contact: If skin irritation occurs, get medical attention.

Inhalation (Breathing): No first aid expected to be required. Not an inhalation hazard.

Ingestion (Swallowing): Rinse mouth. If discomfort continues, seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Aside from information above, no additional symptoms and effects are anticipated.

4.3 Indication of immediate medical attention and special treatment needed.

No information available.

5. Firefighting Measures

5.1 Extinguishing media:

Does not apply.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition and by-products:

High temperature steam, potentially carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Sealed container can build up pressure when exposed to high heat. Cool containers with water.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes and skin.

6.2 Environmental precautions:

Outside spills unlikely. Absorb with sand or absorbents.

6.3 Methods materials for containment and cleaning up:

Flush small spills to drain with water.

6.4 Reference to other sections:

Refer to Sections 4, 5, 8, and 13 for more information.

7. Handling and Storage

7.1 Precautions for safe handling

Avoid unnecessary contact.

7.2 Conditions for safe storage, including incompatibilities

Keep product containers closed when not in use.

7.3 Specific end uses

See product flyer for further information.

8. Exposure Controls / Personal Protection

Component Name	Limit	Standard/Source - Notes
1-Butoxy-2-propanol	50 ppm	Manufacturer Recommendation
Dipropylene glycol monomethyl ether	600 mg/m ³	OSHA PEL
Dipropylene glycol monomethyl ether	100 ppm	ACGIH TLV
Isopropanol	400 ppm	New Zealand Workplace TWA
Isopropanol	500 ppm	New Zealand Workplace STEL
Isopropanol	400 ppm	OSHA PEL
Isopropanol	200 ppm	ACGIH TLV

9. Physical and Chemical

9.1 Information of basic physical and chemical properties

Appearance:	Clear liquid
Odor threshold:	Not available
pH:	Neutral
Freezing point:	~ 32°F (0°C)
Boiling point:	~ 212°F (100°C)
Flash point:	145 °F (63 °C) PMCC
Evaporation rate:	Like water
Flammability (solid, gas):	Not available
Upper/lower flammability or explosive limits:	Not available
Vapor pressure:	Not available
Vapor density (Air = 1):	Not available
Specific gravity (H₂O = 1):	0.99
Solubility in water:	Complete
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available

9.2 Other Information

Volatiles (Weight %):	100%
VOC Content:	60.4 g/l

10. Stability and Reactivity

10.1 Reactivity:

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability:

Stable

10.3 Possibility of hazardous reactions:

None known.

10.4 Conditions to avoid:

None known.

10.5 Incompatible materials :

Strong oxidizing agents, strong acids.

10.6 Hazardous decomposition products:

Carbon dioxide, carbon monoxide.

11. Toxicological Information**11.1 Information on toxicological effects:****Acute toxicity****Eye contact:**

Direct eye contact may cause eye irritation. This irritation is minimal and expected to be transient.

Skin contact:

This product has low skin irritation potential. There is no dermal toxicity hazard.

Irritation and Sensitization Potential:

This product has low skin irritation potential. It is not a sensitizer.

Inhalation (Breathing):

No inhalation hazard expected with water vapor.

Ingestion:

Material has low level of oral toxicity.

Toxicity to Animals

1-Butoxy-2-propanol

LD₅₀ (oral rat) 2,124-5,500 mg/kgLD₅₀ (dermal rat) >2,000 mg/kg

Dipropylene glycol monomethyl ether

LD₅₀ (oral rat) >5,000 mg/kgLD₅₀ (dermal rabbit) 9,510 mg/kgLC₅₀ (inhl rat) 3.35 mg/l, 7 hours

Isopropanol

LD₅₀ (oral rat) 3,600 mg/kgLD₅₀ (dermal rabbit) 12,800 mg/kgLC₅₀ (inhl rat) 16,000 ppm, 8 hours**Aspiration hazard**

Not an aspiration hazard.

Chronic Exposure:**Reproductive Toxicity:** Not Available**Mutagenicity:** Not Available**Teratogenicity:** Not Available**Toxicologically Synergistic Products:** Not Available**Carcinogenic Status:** This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.**12. Ecological Information****12.1 Ecotoxicity**

1-Butoxy-2-propanol

LC₅₀ 96 h Guppy 560-1,000 mg/lLC₅₀ 48 h Daphnia magna >1,000 mg/l

Dipropylene glycol monomethyl ether

LC₅₀ 96 h Fathead Minnow >10,000 mg/lLC₅₀ 48 h Daphnia magna 1,919 mg/lEC₅₀ 96 h Green algae >969 mg/l

Isopropanol

LC₅₀ 96 h Fathead Minnow >1,000 mg/lLC₅₀ 48 h Golden Orfe 8970 - 9280 mg/lEC₅₀ 96 h Daphnia magna >1,000 mg/l**12.2 Persistence and degradability:** No information available.**12.3 Bioaccumulation potential:** No information available

12.4 Mobility in soil:	No information available.
12.5 Results of PBT and vPvB Assessment:	This product is not, nor does it contain a substance that is a PBT or vPvB.
12.6 Other adverse effects:	None known.

13. Disposal Considerations

Dispose of product in accordance with National and Local Regulations.

14. Transport Information

UN Number:	Not Listed
UN Proper shipping name:	Not Applicable
Transport hazard class(es):	Not Applicable
Packing group:	Not Applicable
Environmental hazards:	None known
Special precautions:	None known
TDG:	Not Regulated
ICAO/IATA-DGR:	Not Regulated
IMDG:	Not Regulated
ADR/RID:	Not Regulated

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. NZ-Regulations

All chemical substances in this product are listed in the New Zealand Inventory of Chemicals (NZIoC) or are exempt

This substance is to be managed using the conditions specified in an applicable Group Standard

HSR Number

HSR002525 Combustible Cleaning Products Group Standard

15.1.2. EU-regulations

- Contains no REACH substances with Annex XVII restrictions
- Contains no substance on the REACH candidate list
- Contains no REACH Annex XIV substances
- Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.
- Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.3. Australian-regulations

All components are listed on the AICS.

Product is classified as hazardous according to criteria of NOHSC Australia.

15.1.4. International-regulations

All chemical substances in this product are listed as "Active" in the US EPA (Environmental Protection Agency) "TSCA Inventory Notification (Active-Inactive) Requirements Rule" ("the Final Rule"). as of Feb. 2019 or are otherwise exempt.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for the mixture by the supplier.

16. Other Information

Abbreviations and acronyms:

OSHA = Occupational Safety and Health Administration

CLP = Classification, Labeling and Packaging Regulation

STOT = Specific Target Organ Toxicity

LD₅₀ = Median Lethal Dose

DNEL = Derived No Effect Level

ACGIH = American Conference of Governmental Industrial Hygienists

TSCA = Toxic Substances Control Act (USA)

DSL = Domestic Substances List (Canada)

AICS = Australian Inventory of Chemical Substances

Revision Date: July 12, 2022
Revision Number: 8 NZ
Supersedes: March 14, 2022
Other: New Zealand Information
Indication of Changes: Revised Section 1.1.

Written in accordance with the provisions of OSHA 1910.1200 App D (2012) and Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 including New Zealand specific information. (GHS format)

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.