

# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

#### Trade name

Aquo Pro Multi Purpose

#### Product no.

213

#### Unique formula identifier (UFI)

01QV-009P-0104-XPA1

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Relevant identified uses of the substance or mixture

Cleaning liquid

#### Uses advised against

No special

### 1.3. Details of the supplier of the safety data sheet

#### Company and address

##### Blue & Green AB

Stenorsvägen 52

261 44 Landskrona

Sweden

+46 418 399000

www.blueandgreen.se

#### E-mail

info@blueandgreen.se

#### Revision

22-02-2022

#### SDS Version

1.0

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

### 2.2. Label elements

#### Hazard pictogram(s)

Not applicable

#### Signal word

Not applicable

#### Hazard statement(s)

Not applicable

#### Safety statement(s)

General

-

Prevention

-

Response

-

Storage

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

-  
Disposal

-  
**Hazardous substances**

No special

**2.3. Other hazards**

**Additional labelling**

Not applicable

**Additional warnings**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
2-(2-butoxyethoxy)ethanol	CAS No.: 112-34-5 EC No.: 203-961-6 REACH: 01-2119475104-44 Index No.: 603-096-00-8	<1%	Eye Irrit. 2, H319	[1], [3]

-----

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**Other information**

[1] European occupational exposure limit

[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

**Inhalation**

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

**Skin contact**

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

**Eye contact**

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) and continue until irritation stops.

**Ingestion**

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

**Burns**

Not applicable

**4.2. Most important symptoms and effects, both acute and delayed**

No special

**4.3. Indication of any immediate medical attention and special treatment needed**

No special

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

### Information to medic

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Not applicable

### 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

### 5.3. Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

### 6.3. Methods and material for containment and cleaning up

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2. Conditions for safe storage, including any incompatibilities

No special conditions required.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

Room temperature 18 to 23°C

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

—  
2-(2-butoxyethoxy)ethanol  
Long term exposure limit (8 hours) (ppm): 10  
Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 67,5  
Short term exposure limit (15 minutes) (ppm): 15  
Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 101,2

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

### DNEL

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	2-(2-butoxyethoxy)ethanol
DNEL	67.5 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Long term – Local effects - Workers
Product/substance	2-(2-butoxyethoxy)ethanol
DNEL	6,25 mg/kg bw/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population
Product/substance	2-(2-butoxyethoxy)ethanol
DNEL	101.2 mg/m <sup>3</sup>
Route of exposure	Inhalation
Duration	Short term – Local effects - Workers

### PNEC

Product/substance	2-(2-butoxyethoxy)ethanol
PNEC	0.44 mg/kg dw
Route of exposure	Marine water sediment
Duration of Exposure	
Product/substance	2-(2-butoxyethoxy)ethanol
PNEC	4.4 mg/kg dw
Route of exposure	Freshwater sediment
Duration of Exposure	
Product/substance	2-(2-butoxyethoxy)ethanol
PNEC	1.1 mg/L
Route of exposure	Freshwater
Duration of Exposure	
Product/substance	2-(2-butoxyethoxy)ethanol
PNEC	0.11 mg/L
Route of exposure	Marine water
Duration of Exposure	
Product/substance	2-(2-butoxyethoxy)ethanol
PNEC	11 mg/L
Route of exposure	Intermittent release
Duration of Exposure	
Product/substance	2-(2-butoxyethoxy)ethanol
PNEC	0.32 mg/kg dw
Route of exposure	Soil
Duration of Exposure	

### 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

#### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

#### **Exposure scenarios**

There are no exposure scenarios implemented for this product.

#### **Exposure limits**

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

#### **Appropriate technical measures**

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

#### **Hygiene measures**

Wash hands after use.

#### **Measures to avoid environmental exposure**

No specific requirements

#### **Individual protection measures, such as personal protective equipment**

##### **Generally**

No specific requirements

##### **Respiratory Equipment**

No specific requirements

##### **Skin protection**

No specific requirements

##### **Hand protection**

No specific requirements

##### **Eye protection**

No specific requirements

### **SECTION 9: Physical and chemical properties**

#### **9.1. Information on basic physical and chemical properties**

##### **Physical state**

Liquid

##### **Colour**

Blue

##### **Odour / Odour threshold**

Pleasant

##### **pH**

7

##### **Density (g/cm<sup>3</sup>)**

1

##### **Kinematic viscosity**

Testing not relevant or not possible due to nature of the product.

##### **Particle characteristics**

Does not apply to liquids.

#### **Phase changes**

##### **Melting point/Freezing point (°C)**

Testing not relevant or not possible due to nature of the product.

##### **Softening point/range (waxes and pastes) (°C)**

Does not apply to liquids.

##### **Boiling point (°C)**

Testing not relevant or not possible due to nature of the product.

##### **Vapour pressure**

Testing not relevant or not possible due to nature of the product.

##### **Relative vapour density**

Testing not relevant or not possible due to nature of the product.

##### **Decomposition temperature (°C)**

Testing not relevant or not possible due to nature of the product.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

### Data on fire and explosion hazards

#### Flash point (°C)

Testing not relevant or not possible due to nature of the product.

#### Ignition (°C)

Testing not relevant or not possible due to nature of the product.

#### Auto flammability (°C)

Testing not relevant or not possible due to nature of the product.

#### Lower and upper explosion limit (% v/v)

Testing not relevant or not possible due to nature of the product.

### Solubility

#### Solubility in water

Soluble

#### n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

#### Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

### 9.2. Other information

#### Other physical and chemical parameters

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

No special

### 10.4. Conditions to avoid

No special

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>2000 mg/kg
Other information	

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	2764 mg/kg
Other information	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50
Result	>29 ppm
Other information	

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Species	Mouse
Route of exposure	Oral
Test	LD50
Result	2410 mg/kg
Other information	

#### Skin corrosion/irritation

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	OECD 404
Species	Rabbit
Duration	
Result	No adverse effect observed (Not irritating)
Other information	

#### Serious eye damage/irritation

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	OECD 404
Species	Rabbit
Duration	
Result	Adverse effect observed (Irritating)
Other information	

#### Respiratory sensitisation

Based on available data, the classification criteria are not met.

#### Skin sensitisation

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	OECD 406
Species	Guinea pig
Result	No adverse effect observed (not sensitising)
Other information	

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### 11.2. Information on other hazards

##### Long term effects

No special

##### Endocrine disrupting properties

No special

##### Other information

No special

### SECTION 12: Ecological information

#### 12.1. Toxicity

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Species	Fish, <i>Leuciscus idus</i>
Compartment	
Duration	96 hours
Test	LC50
Result	>100 mg/L
Other information	

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Species	Algae, <i>Scenedesmus subspicatus</i>
Compartment	
Duration	96 hours
Test	EC50
Result	>100 mg/L
Other information	

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Species	Daphnia, <i>Daphnia magna</i>
Compartment	
Duration	48 hours
Test	EC50
Result	>100 mg/L
Other information	

#### 12.2. Persistence and degradability

Product/substance	2-(2-butoxyethoxy)ethanol
Biodegradable	Yes
Test method	OECD 301 E
Result	100%

#### 12.3. Bioaccumulative potential

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Potential bioaccumulation	No
LogPow	1.0000
BCF	No data available
Other information	

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

#### 12.6. Endocrine disrupting properties

No special

#### 12.7. Other adverse effects

No special

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.  
Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

#### EWC code

Not applicable

#### Specific labelling

Not applicable

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

### SECTION 14: Transport information

#### 14.1. - 14.4.

Not dangerous goods according to ADR, IATA and IMDG.

#### ADR/RID

Not applicable

#### IMDG

Not applicable

#### MARINE POLLUTANT

No

#### IATA

Not applicable

#### 14.5. Environmental hazards

Not applicable

#### 14.6. Special precautions for user

Not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available

### SECTION 15: Regulatory information

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

##### Restrictions for application

No special

##### Demands for specific education

No specific requirements

##### SEVESO - Categories / dangerous substances

Not applicable

##### Additional information

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Not applicable

#### Sources

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

CLP Regulation (EC) No 1272/2008, as retained and amended in UK law.

EC-Regulation 1907/2006 (REACH), as amended by UK REACH Regulations SI 2019/758

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

H319, Causes serious eye irritation.

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWG = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit.

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVCB = Complex hydrocarbon substance

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

Not applicable

#### The safety data sheet is validated by

Åsa Möller

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

**Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en