

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Aquo Pro Glass/Stainless Cleaner

Product no.

214

Unique formula identifier (UFI)

66XS-V02P-Q108-E9KH

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

EUH210, Safety data sheet available on request.

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 and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

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 medics

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

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/m³): 67,5
Short term exposure limit (15 minutes) (ppm): 15
Short term exposure limit (15 minutes) (mg/m³): 101,2

—
2-butoxyethanol
Long term exposure limit (8 hours) (ppm): 25
Long term exposure limit (8 hours) (mg/m³): 123
Short term exposure limit (15 minutes) (ppm): 50

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

Short term exposure limit (15 minutes) (mg/m³): 246

Annotations:

BMVG = Biological Monitoring Guidance Value exists

Sk = Can be absorbed through the skin and lead to systemic toxicity.

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

Product/substance	2-(2-butoxyethoxy)ethanol
DNEL	67.5 mg/m ³
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 ³
Route of exposure	Inhalation
Duration	Short term – Local effects - Workers
Product/substance	2-butoxyethanol
DNEL	98 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers
Product/substance	2-butoxyethanol
DNEL	1 091 mg/m ³
Route of exposure	Inhalation
Duration	Short term – Systemic effects - Workers
Product/substance	2-butoxyethanol
DNEL	246 mg/m ³
Route of exposure	Inhalation
Duration	Short term – Local effects - Workers
Product/substance	2-butoxyethanol
DNEL	59 mg/m ³
Route of exposure	Inhalation
Duration	Long term – Systemic effects - General population
Product/substance	2-butoxyethanol
DNEL	426 mg/m ³
Route of exposure	Inhalation
Duration	Short term – Systemic effects - General population
Product/substance	2-butoxyethanol
DNEL	147 mg/m ³
Route of exposure	Inhalation

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

Duration	Short term – Local effects - General population
Product/substance	2-butoxyethanol
DNEL	6.3 mg/kg bw/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population
Product/substance	2-butoxyethanol
DNEL	26.7 mg/kg bw/day
Route of exposure	Oral
Duration	Short term – Systemic effects - General population
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	
Product/substance	2-butoxyethanol
PNEC	8.8 mg/L
Route of exposure	Freshwater
Duration of Exposure	
Product/substance	2-butoxyethanol
PNEC	0.88 mg/L

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

Route of exposure	Marine water
Duration of Exposure	
Product/substance	2-butoxyethanol
PNEC	463 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	
Product/substance	2-butoxyethanol
PNEC	34.6 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	
Product/substance	2-butoxyethanol
PNEC	3.46 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	
Product/substance	2-butoxyethanol
PNEC	2.33 mg/kg
Route of exposure	Soil
Duration of Exposure	
Product/substance	2-butoxyethanol
PNEC	26.4 mg/L
Route of exposure	Intermittent release
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.

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

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

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

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

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

Green

Odour / Odour threshold

Characteristic

pH

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

Density (g/cm³)

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.

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

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

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	

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	

Product/substance	2-butoxyethanol
Test method	

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

Species	Guinea pig
Route of exposure	Oral
Test	LD50
Result	1414 mg/kg
Other information	

Product/substance	2-butoxyethanol
Test method	
Species	Guinea pig, female
Route of exposure	Inhalation
Test	LC0
Result	>3.1 mg/L
Other information	

Product/substance	2-butoxyethanol
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	1300 mg/kg
Other information	

Product/substance	2-butoxyethanol
Test method	
Species	Guinea pig
Route of exposure	Dermal
Test	LD0
Result	>2000 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

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	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.

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

2-butoxyethanol has been classified by IARC as a group 3 carcinogen.

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

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

Test	EC50
Result	>100 mg/L
Other information	
Product/substance	2-butoxyethanol
Test method	
Species	Algae, Pseudokirchneriella subcapitata
Compartment	
Duration	72 hours
Test	EC50
Result	1840 mg/L
Other information	
Product/substance	2-butoxyethanol
Test method	
Species	Fish, Oncorhynchus mykiss
Compartment	
Duration	96 hours
Test	LC50
Result	1474 mg/L
Other information	
Product/substance	2-butoxyethanol
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	48 hours
Test	EC50
Result	1550 mg/L
Other information	
Product/substance	2-butoxyethanol
Test method	
Species	Fish, Danio rerio
Compartment	
Duration	21 days
Test	NOEC
Result	100 mg/L
Other information	
Product/substance	2-butoxyethanol
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	21 days
Test	NOEC
Result	100 mg/L
Other information	

12.2. Persistence and degradability

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

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

Product/substance	2-butoxyethanol
Biodegradable	Yes
Test method	OECD 301 B
Result	90,4%

12.3. Bioaccumulative potential

Product/substance	2-(2-butoxyethoxy)ethanol
Test method	
Potential bioaccumulation	No
LogPow	1.0000
BCF	No data available
Other information	

Product/substance	2-butoxyethanol
Test method	
Potential bioaccumulation	No
LogPow	0.8100
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

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

<p>Not applicable</p> <p>IMDG</p> <p>Not applicable</p> <p>MARINE POLLUTANT</p> <p>No</p> <p>IATA</p> <p>Not applicable</p> <p>14.5. Environmental hazards</p> <p>Not applicable</p> <p>14.6. Special precautions for user</p> <p>Not applicable</p> <p>14.7. Maritime transport in bulk according to IMO instruments</p> <p>No data available</p>
<p>SECTION 15: Regulatory information</p> <p>15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture</p> <p>Restrictions for application</p> <p>No special</p> <p>Demands for specific education</p> <p>No specific requirements</p> <p>SEVESO - Categories / dangerous substances</p> <p>Not applicable</p> <p>Additional information</p> <p>Not applicable</p> <p>Sources</p> <p>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</p> <p>15.2. Chemical safety assessment</p> <p>No</p>
<p>SECTION 16: Other information</p> <p>Full text of H-phrases as mentioned in section 3</p> <p>H319, Causes serious eye irritation.</p> <p>Abbreviations and acronyms</p> <p>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 EWC = 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</p>

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

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

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