kilnher group®

SAFETY DATA SHEET
SEALANTS CEMHER

Safety Data Sheet according to Regulation (EU) No. 2020/878

Product:
AQUAPUR 70 Comp. A

Version 8.5 / 11.07.2024

Replaces all previous versions

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

1.1 Product identifier

Trade name: AQUAPUR 70 Comp.A
Material number: 80628498

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

Use: Industry for paints, lacquers and varnishes. Binder in decorative coatings.

1.3 Details of the supplier of the safety data sheet

Company: PINTURAS KILNHER
Address: Pol. Ind. La Figuera, C/LLanterners, 44. 46394
City: ALACUAS
Province: VALENCIA
Telephone: (+34) 961 505 024
Fax: (+34) 961 505 024
E-mail: kilnher@kilnher.com
Web: www.kilnher.com

1.4 Emergency telephone number

(+34) 961 505 024 (Only available during office hours; Monday-Friday; 07:00-15:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

No classification in accordance with the Regulation (EC) No. 1272/2008.

2.2 Label elements

No labeling necessary according to the Regulation (EC) No. 1272/2008.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Type of product

Mixture

3.2 Mixtures

water-thinnable polyacrylate containing hydroxylgroups ca. 47 % in water

Hazardous components
3-butoxypropan-2-ol; propylene glycol monobutyl ether
Concentration [wt.-%]: ca. 7.2
Index-No.: 603-052-00-8

EC-No.: 225-878-4
REACH Registration Number: 01-2119475527-28
CAS-No.: 5131-66-8
Classification (1272/2008/CE): Skin Irrit. 2 H315 Eye Irrit. 2 H319

neutralising agent, bound as a salt:
Triethanolamine
Concentration [wt.-%]: ca. 2
EC-No.: 203-049-8
REACH Registration Number: 01-2119486482-31
CAS-No.: 102-71-6
No classification in accordance with the Regulation (EC) No. 1272/2008.

2-dimethylaminoethanol; N,N-dimethylethanolamine Concentration [wt.-%]: ca. 0.4
Index-No.: 603-047-00-0
EC-No.: 203-542-8
REACH Registration Number: 01-2119492298-24
CAS-No.: 108-01-0
Classification (1272/2008/CE): Flam. Liq. 3 H226 Acute Tox. 4 Oral H302 Acute Tox. 3 Inhalative H331 Acute Tox. 4 Dermal H312 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT SE 3 H335 (Respiratory system) Specific threshold concentration (GHS):
STOT SE 3 H335 >= 5 %
ATE (oral): 1,183 mg/kg
ATE (dermal): 1,219 mg/kg
ATE (inhalation, vapour): 6.1 mg/l

Candidate List of Substances of Very High Concern for Authorisation
This product contains no substances of very high concern in concentrations where an information obligation applies (REACH Regulation (EC) No. 2020/878

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice
Take off all contaminated clothing immediately.

If inhaled
In case of irritation of the respiratory tract seek medical advice.

In case of skin contact
Wash off immediately with soap and plenty of water. Consult a doctor in the event of a skin reaction.

In case of eye contact
Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist.

If swallowed
DO NOT induce the patient to vomit, medical advice is required.

4.2 Most important symptoms and effects, both acute and delayed Notes to physician

No information available.

4.3 Indication of any immediate medical attention and special treatment needed Therapeutic measures

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO_2), Foam, extinguishing powder, in cases of larger fires, water spray should be used.
Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.

5.3 Advice for fire-fighters

Firemen must wear self-contained breathing apparatus.

Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Put on protective equipment (see section 8). Ensure adequate ventilation/exhaust extraction. Keep unauthorized persons away.

6.2 Environment related measures

Do not allow to escape into waterways, wastewater or soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent for chemicals or, if necessary with dry sand and store in closed containers.

6.4 Reference to other sections

For further disposal measures see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

When handling observe the usual precautionary measures for chemicals. Avoid contact with the skin and the eyes.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at the end of workday. Keep working clothes separately. Change contaminated or soaked clothing.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Further information on the storage conditions which must be observed to preserve quality can be found in our product information sheet.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

The neutralizing agent is released during processing

Substance	CAS-No.	Basis	Type	Value
2-dimethylaminoethanol N,N-dimethylethanolam ine	108-01-0	EH40 WEL	STEL	6 ppm 22 mg/m3
2-dimethylaminoethanol N,N-dimethylethanolam ine	108-01-0	EH40 WEL	TWA	2 ppm 7.4 mg/m3

8.2 Exposure controls

Respiratory protection:

Respiratory protection required in insufficiently ventilated working areas and during spraying.

Hand protection:

Suitable materials for safety gloves; EN 374:
Fluorinated rubber - FKM: thickness >=0,4mm; breakthrough time >=480min.
Butyl rubber - IIR: thickness >=0,5mm; breakthrough time >=480min.
Nitrile rubber - NBR: thickness >=0,35mm; breakthrough time >=480min. Recommendation: contaminated gloves should be disposed of.

Eye protection:

Wear eye/face protection.

Skin and body protection:

Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: liquid at 20 °C at 1,013 hPa
Appearance: liquid, thixotropic
Colour: white
Odour: slight inherent odour
Odour Threshold: not established
pH: ca. 7.2 - 7.8 (Determined in a 10 % aqueous solution) DIN ISO 976
Freezing temperature: ca. 0 °C ISO 3016
Boiling point/boiling range: ca. 97 °C at 1,013 hPa DIN 53171
Flash point: > 97 °C No flash point up to initial boiling point. DIN EN ISO 2719
Evaporation rate: not established
Flammability (solid, gas): not applicable
Burning number: not applicable
Upper/lower flammability or explosive limits: 3-butoxypropan-2-ol; propylene glycol monobutyl ether upper: 11.4 %(V) / lower: 1.1 %(V)
Vapour pressure: ca. 31 hPa at 20 °C EG A4
ca. 123 hPa at 50 °C EG A4
ca. 150 hPa at 55 °C EG A4
Relative vapour density: not established
Density: ca. 1.06 g/cm³ at 20 °C DIN 51757
Miscibility with water: miscible at 15 °C

Water solubility: not established
Surface tension: not established
Partition coefficient (n−octanol/water): not established
Auto-ignition temperature: not applicable
Ignition temperature: ca. 410 °C DIN 51794

Decomposition temperature: not established
Heat of combustion: not established
Viscosity, dynamic: ca. 2,000 - 3,500 mPa.s at 23 °C DIN EN ISO 3219/A.3
Viscosity, kinematic: not established

9.2 Other information

The indicated values do not necessarily correspond to the product specification. Please refer to the technical information sheet for specification data.

Explosive properties: not established
Dust explosion class: not applicable
Oxidising properties: not established

SECTION 10: Stability and reactivity

10.1 Reactivity

This information is not available.

10.2 Chemical stability

No thermal decomposition when stored and handled correctly.

10.3 Possibility of hazardous reactions

This information is not available.

10.4 Conditions to avoid

This information is not available.

10.5 Incompatible materials

This information is not available.

10.6 Hazardous decomposition products

On drying of the coating / hardening release of neutralising agent. (see section 3)

SECTION 11: Toxicological information

Toxicological studies on the product are not yet available.
Please find below the toxicological data available to us for the components (hazardous components).

11.1 Information on hazard classes as defined in Regulation (EC) No 2020/878

Acute toxicity, oral
3-butoxypropan-2-ol; propylene glycol monobutyl ether
LD50 rat, male/female: ca. 3,300 mg/kg
Method: OECD Test Guideline 401

Acute toxicity, dermal
3-butoxypropan-2-ol; propylene glycol monobutyl ether
LD50 rat, male/female: > 2,000 mg/kg
Method: OECD Test Guideline 402

Acute toxicity, inhalation
3-butoxypropan-2-ol; propylene glycol monobutyl ether
LC50 rat: > 3.4 mg/l, 4 h
Test atmosphere: vapour
Assessment: The substance or mixture has no acute inhalation toxicity

Primary skin irritation
3-butoxypropan-2-ol; propylene glycol monobutyl ether
Species: rabbit
Result: slight irritant
Classification: No skin irritation
Method: OECD Test Guideline 404
Classification: Causes skin irritation.
Regulation (EC) No 1272/2008

Primary mucosae irritation
3-butoxypropan-2-ol; propylene glycol monobutyl ether
Species: rabbit
Result: irritating
Classification: Causes serious eye irritation.
Method: OECD Test Guideline 405

Sensitisation
3-butoxypropan-2-ol; propylene glycol monobutyl ether
Skin sensitisation:
Species: Guinea pig
Result: negative
Classification: Does not cause skin sensitization.
Method: OECD Test Guideline 406
Respiratory sensitization
No data available.

Subacute, subchronic and prolonged toxicity
3-butoxypropan-2-ol; propylene glycol monobutyl ether

NOAEL: 350 mg/kg
Application Route: Oral
Species: rat, male/female
Dose Levels: 100 -350 - 1000 mg/kg bw/day
Method: OECD Test Guideline 408

NOAEL: 700 ppm
Application Route: Inhalative Species: rat, male/female
Dose Levels: 50 - 200 - 700 ppm
Method: OECD Test Guideline 412

Carcinogenicity
3-butoxypropan-2-ol; propylene glycol monobutyl ether
NOAEL (Toxicity): 3,000 ppm
Species: Mouse, male/female
Application Route: Inhalative
Dose Levels: 300 - 1000 -3000 ppm
Exposure duration: 2 year(s)
Frequency of treatment: 6 hours/day, 5 days/week
Method: OECD Test Guideline 453
Animal testing did not show any carcinogenic effects.
Studies of a comparable product.

Reproductive toxicity/Fertility
3-butoxypropan-2-ol; propylene glycol monobutyl ether
NOAEL (parents, generelly toxicity): 100 mg/kg
NOAEL (parents, fertility): 1000 mg/kg
Test type: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test
Species: rat, male/female
Method: OECD Test Guideline 422

Reproductive toxicity/Developmental Toxicity/Teratogenicity
3-butoxypropan-2-ol; propylene glycol monobutyl ether
NOAEL (maternal): 880 mg/kg
NOAEL (developmental toxicity): 880
Species: rat
Method: OECD Test Guideline 414

Genotoxicity in vitro
3-butoxypropan-2-ol; propylene glycol monobutyl ether
Test type: Ames test
Metabolic activation: with/without
Result: negative
Method: OECD Test Guideline 471

Test type: Chromosome aberration test in vitro
Metabolic activation: with/without
Result: negative
Method: OECD Test Guideline 473

Test type: In vitro mammalian cell gene mutation test
Metabolic activation: with/without
Result: negative
Method: OECD Test Guideline 476

Genotoxicity in vivo
3-butoxypropan-2-ol; propylene glycol monobutyl ether No data available.

STOT evaluation – one-time exposure
3-butoxypropan-2-ol; propylene glycol monobutyl ether
Based on available data, the classification criteria are not met.

STOT evaluation – repeated exposure
3-butoxypropan-2-ol; propylene glycol monobutyl ether
Based on available data, the classification criteria are not met.

Aspiration toxicity
3-butoxypropan-2-ol; propylene glycol monobutyl ether
Based on available data, the classification criteria are not met.

CMR Assessment
3-butoxypropan-2-ol; propylene glycol monobutyl ether
Carcinogenicity: Based on available data, the classification criteria are not met.
Mutagenicity: Based on available data, the classification criteria are not met.
Teratogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity/Fertility: Based on available data, the classification criteria are not met.

Toxicology Assessment
3-butoxypropan-2-ol; propylene glycol monobutyl ether
Acute effects: Causes skin irritation. Causes serious eye irritation.
Sensitization: Based on available data, the classification criteria are not met.

11.2 Information on other hazards Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

Ecotoxicological studies of the product are not available.Do not allow to escape into waterways, wastewater or soil.
Please find below the ecotoxicological data available to us for the components.

12.1 Toxicity Acute Fish toxicity

3-butoxypropan-2-ol; propylene glycol monobutyl ether
LC50 > 560 mg/l
Species: Poecilia reticulata (guppy)
Exposure duration: 96 h
Method: OECD Test Guideline 203

Chronic Fish toxicity
3-butoxypropan-2-ol; propylene glycol monobutyl ether No data available.

Acute toxicity for daphnia
3-butoxypropan-2-ol; propylene glycol monobutyl ether
EC50 > 1,000 mg/l
Test type: static test
Species: Daphnia magna (Water flea)
Exposure duration: 48 h
Method: OECD Test Guideline 202

Chronic toxicity to daphnia
3-butoxypropan-2-ol; propylene glycol monobutyl ether No data available.

Acute toxicity for algae
3-butoxypropan-2-ol; propylene glycol monobutyl ether
EC50 > 1,000 mg/l Test type: static test endpoint: Growth inhibition
Species: Pseudokirchneriella subcapitata (green algae)
Exposure duration: 96 h

Acute bacterial toxicity
3-butoxypropan-2-ol; propylene glycol monobutyl ether
EC50 > 1,000 mg/l
Species: activated sludge
Exposure duration: 180 min
Method: OECD Test Guideline 209

Ecotoxicology Assessment
3-butoxypropan-2-ol; propylene glycol monobutyl ether
Acute aquatic toxicity: Based on available data, the classification criteria are not met.
Chronic aquatic toxicity: Based on available data, the classification criteria are not met.

12.2 Persistence and degradability Biodegradability

3-butoxypropan-2-ol; propylene glycol monobutyl ether
Test type: aerobic
Inoculum: activated sludge
Biodegradation: 90 %, 28 d, i.e. readily biodegradable
Method: OECD Test Guideline 301 E

12.3 Bioaccumulative potential Bioaccumulation

3-butoxypropan-2-ol; propylene glycol monobutyl ether
Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Partition coefficient (n−octanol/water)
3-butoxypropan-2-ol; propylene glycol monobutyl ether

log Pow: 1.2 at: 20 °C
Method: OECD Test Guideline 117

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

3-butoxypropan-2-ol; propylene glycol monobutyl ether
The product contains none organically bound halogens.

SECTION 13: Disposal considerations

Dispose in accordance with applicable international, national and local laws, ordinances and statutes.
For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

13.1 Waste treatment methods

After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until “drip-dry”), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations.

No disposal into waste water.

SECTION 14: Transport information

ADR/RID	ADN*	IATA	IMDG
14.1 UN number or ID number			
Not dangerous good	Not dangerous good	Not dangerous good	Not dangerous good
14.2 UN proper shipping name			
Not dangerous good	Not dangerous good	Not dangerous good	Not dangerous good
14.3 Transport hazard class(es)			
Not dangerous good	Not dangerous good	Not dangerous good	Not dangerous good
14.4 Packing group			
Not dangerous good	Not dangerous good	Not dangerous good	Not dangerous good
14.5 Environmental hazards			**14.5 Marine pollutant**
Not dangerous good	Not dangerous good	Not dangerous good	Not dangerous good

* Dangerous goods classification for inland waterways tanker by request only.

14.6 Special precautions for user

See section 6 - 8.

Additional information: Not dangerous cargo. Avoid temperatures below 1 °C.
Avoid heat above +30 °C. Keep separated from foodstuffs.

14.7 Maritime transport in bulk according to IMO instruments

Product is not transported by us in bulk.

SECTION 15: Regulatory information

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

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances.
not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)
Conditions of restriction for the following entries should be considered: 40

This product contains substances subject to EU Regulation 1907/2006 (REACH), Annex XVII.

3-butoxypropan-2-ol; propylene glycol monobutyl ether
CAS-No.: 5131-66-8, EC-No.: 225-878-4
Subject to REACH Annex XVII, No. 40

Water contaminating class (Germany)
1 slightly water endangering
Classification according to AwSV, Annex 1 (5.2)

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for:
3-butoxypropan-2-ol; propylene glycol monobutyl ether

SECTION 16: Other information

16.1 Full text of the hazard statements of the CLP classification

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.

16.2 Abbreviations and acronyms

ADN Accord européen relatif au transport international des marchandises Dangereuses par voie de Navigation intérieure
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route
ANSI American National Standards Institute
ASTM American Society of Testing and Materials (US)
ATE Acute Toxic Estimate
AwSv Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen
BCF Bioconcentration Factor
CAS Chemical Abstract Service
CLP Regulation on Classification, Labelling and Packaging of Substances and Mixtures

CMR Cancerogenic Mutagenic Reprotoxic
DIN Deutsches Institut für Normung
DNEL Derived No-Effect Level
EC… Effect Concentration ... %
EWC European Waste Catalogue
IATA International Air Transport Association
IBC Intermediate Bulk Container
ICAO International Civil Aviation Organization
IMDG International Maritime Dangerous Goods
IMO International Maritime Organization
ISO International Organization for Standardization
IUPAC International Union of Pure and Applied Chemistry
LOAEL Lowest Observable Adverse Effect Level
LC… Lethal Concentration, ...%
LD… Lethal Dose, ...%
MARPOL International Convention for the Prevention of Pollution From Ships
NOAEL No Observed Adverse Effect Level
NOEL/NOEC No Observed Effect Level/Concentration
OECD Organisation for Economic Co-operation and Development
PBT persistent, bioaccumulative, toxic
PNEC Predicted No-Effect Concentration
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses
STOT Specific Target Organ Toxicity
TRGS Technische Regeln für Gefahrstoffe
vPvB very Persistent, very Bioaccumulative
WGK Wassergefährdungsklasse

16.3 Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.