

## Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Article 31, Annex II, as amended by Commission Regulation (EU) 2020/878

### AQUA-PUR BASIC A

Date of first edition: 9/30/2020

Safety Data Sheet dated 12/23/2021

version 6

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

### 1.1. Product identifier

Mixture identification:

Trade name: AQUA-PUR BASIC A

Trade code: B0255 .013

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

Recommended use: Mineral, water-based paints for interiors

Uses advised against: Not available

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

Company: KERAKOLL S.p.A.

Via dell'Artigianato, 9

41049 Sassuolo (MODENA) - ITALY

Tel. +39 0536 816511 Fax. +39 0536816581

safety@kerakoll.com

### 1.4. Emergency telephone number

European emergency phone number 112

Kerakoll Italy - +39-0536-816511

Ireland

Poison information centre: 01 809 2166 (Daily 8am-10pm)

In case of emergency call 999 or 112

Malta

In case of emergency call: +356 2395 2000 (24h)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

0 The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

#### Special Provisions:

EUH208 Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

#### Dir. 2004/42/EC (VOC directive)

Two-pack reactive performance coatings for specific end use such as floors

EU limit value for this product (cat. A/j): 140 g/l

This product contains max 68.38 g/l VOC.

#### Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$ .

Other Hazards: No other hazards

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

N.A.

### 3.2. Mixtures

Mixture identification: AQUA-PUR BASIC A

#### Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
2,5-4,9 %	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	CAS:111-76-2 EC:203-905-0 Index:603-014-00-0	Acute Tox. 4, H332 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319  Acute Toxicity Estimate: ATE - Oral: 1200mg/kg bw	01-2119475108-36
< 0,1 %	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS:2634-33-5 EC:220-120-9 Index:613-088-00-6	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Chronic 2, H411, M-Acute:1  Specific Concentration Limits: C $\geq 0.05\%$ : Skin Sens. 1 H317	01-2120761540-60
< 0,0015 %	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS:55965-84-9 Index:613-167-00-5	Acute Tox. 2, H330 Acute Tox. 2, H310 Acute Tox. 3, H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410, M-Chronic:100, M-Acute:100, EUH071  Specific Concentration Limits: C $\geq 0.6\%$ : Skin Corr. 1C H314 0.06% $\leq$ C < 0.6%: Skin Irrit. 2 H315 C $\geq 0.6\%$ : Eye Dam. 1 H318 0.06% $\leq$ C < 0.6%: Eye Irrit. 2 H319 C $\geq 0.0015\%$ : Skin Sens. 1A H317	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

N.A.

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

N.A.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

## 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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## SECTION 6: Accidental release measures

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

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

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

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

### 6.4. Reference to other sections

See also section 8 and 13

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

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

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Community Occupational Exposure Limits (OEL)

Component	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Notes
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	EU	NNN		98	20	246	50	Skin
	NATIONAL	AUSTRIA		98.000	20.000	200.000	40.000	
	NATIONAL	BELGIUM		98.000	20.000	246.000	50.000	
	NATIONAL	CANADA			20.000			Ontario
	NATIONAL	CANADA		97.000	20.000			Quebec
	NATIONAL	DENMARK		98.000	20.000	196.000	40.000	
	NATIONAL	FINLAND		98.000	20.000	250.000	50.000	
	NATIONAL	FRANCE		49.000	10.000	246.000	50.000	

NATIONAL	GERMANY	49.000	10.000	196.000	40.000	AGS
NATIONAL	GERMANY	49.000	10.000	98.000	20.000	DFG
NATIONAL	HUNGARY	98.000		246.000		
NATIONAL	IRELAND	98.000	20.000	246.000	50.000	
NATIONAL	ISRAEL	97.000	20.000			
NATIONAL	ITALY	98.000	20.000	246.000	50.000	
NATIONAL	JAPAN		25.000			MHLW
NATIONAL	LATVIA	98.000	20.000	246.000	50.000	
NATIONAL	NEW ZEALAND	121.000	25.000			
NATIONAL	POLAND	98.000		200.000		
NATIONAL	ROMANIA	98.000	20.000	246.000	50.000	
NATIONAL	SINGAPORE	121.000	225.000			
NATIONAL	KOREA, REPUBLIC OF	97.000	20.000			
NATIONAL	SPAIN	98.000	20.000	245.000	50.000	
NATIONAL	SWEDEN	50.000	10.000	246.000	50.000	
NATIONAL	SWITZERLAND	49.000	10.000	98.000	20.000	
NATIONAL	NETHERLANDS	100.000		246.000		
NATIONAL	TURKEY	98.000	20.000	246.000	50.000	
NATIONAL	UNITED STATES OF AMERICA	24.000	5.000			NIOSH
NATIONAL	UNITED STATES OF AMERICA	240.000	50.000			OSHA
NATIONAL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	123.000	25.000	246.000	50.000	
NATIONAL	ARGENTINA		20.000			
NATIONAL	BULGARIA	98.000	20.000	246.000	50.000	
NATIONAL	CZECHIA	100.000		200.000		
NATIONAL	CHILE	85.000	18.000			
NATIONAL	CROATIA	98.000	20.000	246.000	50.000	
NATIONAL	ESTONIA	98.000	20.000	246.000	50.000	
NATIONAL	GREECE	120.000	25.000			
NATIONAL	INDONESIA		20.000			
NATIONAL	ICELAND	100.000	20.000	246.000	50.000	
NATIONAL	LITHUANIA	50.000	10.000	100.000	20.000	
NATIONAL	MALAYSIA	96.700	20.000			
NATIONAL	MEXICO		20.000			
NATIONAL	NORWAY	50.000	10.000			
NATIONAL	PORTUGAL		20.000			
NATIONAL	RUSSIAN FEDERATION	5.000				
NATIONAL	SLOVAKIA	98.000	20.000	946.000	50.000	
NATIONAL	SLOVENIA	98.000	20.000	946.000	50.000	
NATIONAL	SOUTH AFRICA	120.000	25.000			

2-(2-butoxyethoxy) ethanol; diethylene glycol monobutyl ether

NATIONAL	TAIWAN, PROVINCE OF CHINA	121.000	25.000			
ACGIH	NNN		20			A3, BEI - Eye and URT irr
EU	NNN	98	20	246	50	Skin
EU	NNN	67.5	10	101.2	15	Indicative Occupational Exposure Limit Value (IOELV)
NATIONAL	BELGIUM	67.500	10.000	101.200	15.000	
NATIONAL	DENMARK	100.000		200.000		
NATIONAL	FINLAND	68.000	10.000			
NATIONAL	FRANCE	67.500	10.000	101.200	15.000	Italic type: Indicative statutory limit values
NATIONAL	GERMANY	67.000	10.000	100.000	15.000	AGS; Long term and short term: inhalable aerosol and vapour
NATIONAL	GERMANY	67.000	10.000	100.500	15.000	DFG; MAK value applies for the sum of the concentrations of diethylene glycol monobutyl ethe and its acetate in the air; Long term and short term: Inhalable fraction and vapour
NATIONAL	HUNGARY	67.500		101.200		
NATIONAL	IRELAND	67.500	10.000	101.200	15.000	
NATIONAL	LATVIA	67.500	10.000	101.200	15.000	
NATIONAL	POLAND	67.000		100.000		
NATIONAL	ROMANIA	67.500	10.000	101.200	15.000	
NATIONAL	SPAIN	67.500	10.000	101.200	15.000	
NATIONAL	SWEDEN	68.000	10.000	101.000	15.000	
NATIONAL	SWITZERLAND	67.000	10.000	101.200	15.000	
NATIONAL	NETHERLANDS	50.000		100.000		
NATIONAL	TURKEY	67.500	10.000	101.200	15.000	
NATIONAL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	67.500	10.000	101.200	15.000	
NATIONAL	ITALY	67.500	10.000	101.200	15.000	
NATIONAL	BULGARIA	67.500	10.000	101.200	15.000	
NATIONAL	CROATIA	67.500	10.000	101.200	15.000	
NATIONAL	GREECE	67.500	10.000	101.200	15.000	
NATIONAL	ICELAND	67.500	10.000	101.200	15.000	
NATIONAL	SLOVAKIA	67.500	10.000	101.200	15.000	
NATIONAL	CZECHIA	70.000		100.000		
NATIONAL	KOREA, REPUBLIC OF		10.000			
NATIONAL	NORWAY	68.000	10.000			
NATIONAL	RUSSIAN FEDERATION			10.000		
NATIONAL	UNITED STATES OF AMERICA	67.500	10.000			Ihalable fraction and vapour

	NATIONAL	PORTUGAL	10.000				
	ACGIH	NNN	10				(IFV) - Hematologic, liver and kidney eff
(2-methoxymethylethoxy)propanol	EU	NNN	67.5	10	101.2	15	
	NATIONAL	ITALY	308.000	50.000			
2,6-di-tert-butyl-p-cresol	EU	NNN	308.000	50.000			
	NATIONAL	AUSTRALIA	10.000				
	NATIONAL	AUSTRIA	10.000				
	NATIONAL	BELGIUM	2.000				Inhalable fraction and vapour
	NATIONAL	CANADA	2.000				Ontario; Inhalable fraction and vapour
	NATIONAL	CANADA	10.000				Quebec
	NATIONAL	DENMARK	10.000		20.000		
	NATIONAL	FINLAND	10.000		20.000		
	NATIONAL	FRANCE	10.000				
	NATIONAL	GERMANY	10.000		40.000		ASG; Long term and short term: inhalable aerosol and vapour
	NATIONAL	GERMANY	10.000		40.000		DFG; Long term and short term: inhalable fraction and vapour
	NATIONAL	IRELAND	10.000				
	NATIONAL	NEW ZEALAND	10.000				
	NATIONAL	SINGAPORE	10.000				
	NATIONAL	KOREA, REPUBLIC OF	2.000				
	NATIONAL	SWITZERLAND	10.000				Inhalable aerosol
	NATIONAL	SWITZERLAND			40.000		
	NATIONAL	UNITED STATES OF AMERICA	10.000				NIOSH
	NATIONAL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	10.000				
	NATIONAL	ITALY	2.000				
	NATIONAL	ARGENTINA	2.000				Vapour and aerosol
	NATIONAL	BULGARIA	10.000		50.000		
	NATIONAL	CROATIA	10.000				
	NATIONAL	INDONESIA	10.000				
	NATIONAL	ICELAND	10.000				
	NATIONAL	MALAYSIA	10.000				
	NATIONAL	MEXICO	2.000				
	NATIONAL	PORTUGAL	2.000				
	NATIONAL	SLOVENIA	10.000		40.000		
	NATIONAL	SPAIN	10.000				

	NATIONAL	SOUTH AFRICA	10.000		
	ACGIH	NNN	2		(IFV), A4 - URT irr
octamethylcyclotetrasiloxane	NATIONAL	UNITED STATES OF AMERICA	10.000		OARS WEEL
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	NATIONAL	AUSTRIA	0.050		
	NATIONAL	GERMANY	0.200	0.400	DFG; Long term and short term: inhalable fraction
	NATIONAL	SWITZERLAND	0.200	0.400	Inhalable fraction
	NATIONAL	KOREA, REPUBLIC OF	0.100		
	NATIONAL	NETHERLANDS	0.200		

#### Biological limit values

CAS-No.	Component	Value	UoM	Medium	Biological Indicator	Sampling Period
111-76-2	2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	150	mg/g	Urine	2-Butoxyethylacetat	End of turn; End of working week

#### Predicted No Effect Concentration (PNEC) values

Component	CAS-No.	PNEC Limit	Exposure Route	Exposure Frequency
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	111-76-2	8.800 mg/l	Freshwater	
		26.400 mg/l	Intermittent releases (freshwater)	
		880.000 µg/l	Marine water	
		463.000 mg/l	Microorganisms in sewage treatments	
		34.600 mg/kg	Freshwater sediments	
		3.460 mg/kg	Marine water sediments	
		2.330 mg/kg	Soil	
		20.000 mg/kg	Secondary poisoning	
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	2634-33-5	4.030 µg/l	Freshwater	
		1.100 µg/l	Intermittent releases (freshwater)	
		403.000 ng/L	Marine water	
		110.000 ng/L	Intermittent releases (marine water)	
		1.030 mg/l	Microorganisms in sewage treatments	
		49.900 µg/kg	Freshwater sediments	
		4.990 µg/kg	Marine water sediments	
		3.000 mg/kg	Soil	
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-	55965-84-9	3.390 µg/l	Freshwater	

one (3:1)

3.390 µg/l	Intermittent releases (freshwater)
3.390 µg/l	Marine water
3.390 µg/l	Intermittent releases (marine water)
230.000 µg/l	Microorganisms in sewage treatments
27.000 µg/l	Freshwater sediments
27.000 µg/l	Marine water sediments
10.000 µg/l	Soil

#### Derived No Effect Level (DNEL) values

Component	CAS-No.	Worker Industry	Worker Professional	Consumer	Exposure Route	Exposure Frequency
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	111-76-2		98.000 mg/m <sup>3</sup>	59.000 mg/m <sup>3</sup>	Human Inhalation	Long Term, systemic effects
			1091.000 mg/m <sup>3</sup>	426.000 mg/m <sup>3</sup>	Human Inhalation	Short Term, systemic effects
			246.000 mg/m <sup>3</sup>	147.000 mg/m <sup>3</sup>	Human Inhalation	Short Term, local effects
			125.000 mg/kg	75.000 mg/kg	Human Dermal	Long Term, systemic effects
			89.000 mg/kg	89.000 mg/kg	Human Dermal	Short Term, systemic effects
1,2-benzisothiazol-3(2H)- one; 1,2-benzisothiazolin- 3-one	2634-33-5		6.810 mg/m <sup>3</sup>	1.200 mg/m <sup>3</sup>	Human Inhalation	Long Term, systemic effects
reaction mass of 5- chloro-2-methyl-2H- isothiazol-3-one and 2- methyl-2H-isothiazol-3- one (3:1)	55965-84-9		20.000 µg/m <sup>3</sup>	20.000 µg/m <sup>3</sup>	Human Inhalation	Long Term, local effects
			40.000 µg/m <sup>3</sup>	20.000 µg/m <sup>3</sup>	Human Inhalation	Short Term, local effects
				90.000 µg/kg	Human Oral	Long Term, systemic effects
				110.000 µg/kg	Human Oral	Short Term, systemic effects

#### 8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

N.A.

Thermal Hazards:

N.A.

Environmental exposure controls:



N.A.  
Hygienic and Technical measures  
N.A.

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## SECTION 9: Physical and chemical properties

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

Physical State Liquid  
Color: Colourless  
Odour: Pungent  
Odour threshold: N.A.  
pH: =6.90 ( OECD 122 )  
Kinematic viscosity: N.A.  
Melting point / freezing point: N.A.  
Initial boiling point and boiling range: 99 °C (210 °F) ( ASTM-E537 )  
Flash point: N.A.  
Upper/lower flammability or explosive limits: N.A.  
Vapour density: N.A.  
Vapour pressure: N.A.  
Relative density: 1.04 g/cm<sup>3</sup> ( ISO 2811 )  
Solubility in water: Miscible  
Solubility in oil: N.A.  
Partition coefficient (n-octanol/water): N.A.  
Auto-ignition temperature: N.A.  
Decomposition temperature: N.A.  
Flammability: N.A.  
Volatile Organic compounds - VOCs = 4.23 % ; 43.73 g/l

#### Particle characteristics:

Particle size: N.A.

### 9.2. Other information

Miscibility: N.A.  
Conductivity: N.A.  
Evaporation rate: N.A.                      No other relevant information

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Data not available.

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

None in particular.

### 10.6. Hazardous decomposition products

None.

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## SECTION 11: Toxicological information

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

#### Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified

	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified
	Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

#### Toxicological information on main components of the mixture:

2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	a) acute toxicity	ATE - Oral : 1200 mg/kg bw	
		LD50 Oral Guineapig = 1414.00 mg/kg	
		LC50 Inhalation Vapour Rat = 2.56 mg/l 4h	
		LD50 Skin Guineapig > 2000.00 mg/kg	
	b) skin corrosion/irritation	Skin Irritant Rabbit Positive 4h	
	c) serious eye damage/irritation	Eye Irritant Rabbit Yes 24h	
	d) respiratory or skin sensitisation	Skin Sensitization Guineapig Negative	
	f) carcinogenicity	Genotoxicity Negative	Mouse intraperitoneal route
		Carcinogenicity Inhalation Rat = 125.00 mg/m3	NOAEC
	g) reproductive toxicity	No Observed Adverse Effect Level Oral = 720.00 mg/kg	Mouse
1,2-benzisothiazol-3(2H)- one; 1,2-benzisothiazolin- 3-one	a) acute toxicity	LD50 Oral Rat = 670.00000 mg/kg	
		LD50 Skin Rat > 2000.00000 mg/kg	
	b) skin corrosion/irritation	Skin Irritant Rabbit Negative	
	c) serious eye damage/irritation	Eye Corrosive Positive	irreversible damage
	d) respiratory or skin sensitisation	Skin Sensitization Guineapig Positive	
	f) carcinogenicity	Genotoxicity Rat Negative	Oral route
	g) reproductive toxicity	No Observed Adverse Effect Level Oral Rat = 112.00000 mg/kg	
reaction mass of 5- chloro-2-methyl-2H- isothiazol-3-one and 2- methyl-2H-isothiazol-3- one (3:1)	a) acute toxicity	LD50 Oral Rat = 69.00 mg/kg	
		LD50 Skin Rabbit = 141.00 mg/kg	
		LC50 Inhalation Rat = 0.33 mg/l 4h	
	b) skin corrosion/irritation	Skin Irritant Rabbit Positive	
	c) serious eye damage/irritation	Eye Corrosive Rabbit Positive	
	d) respiratory or skin sensitisation	Skin Sensitization Positive	
	f) carcinogenicity	Genotoxicity Negative	
		Carcinogenicity Skin Negative	

g) reproductive toxicity      No Observed Adverse Effect Level Oral Rat = 22.70000 mg/kg

## 11.2 Information on other hazards

### Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

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## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

#### List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

#### List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	CAS: 111-76-2 - EINECS: 203-905-0 - INDEX: 603-014-00-0	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 1474.00 mg/L 96h b) Aquatic chronic toxicity : NOEC Fish Brachydanio rerio = 100.00 mg/L OECD204 - 21days a) Aquatic acute toxicity : EC50 freshwater invertebrates = 690.00 mg/L b) Aquatic chronic toxicity : NOEC Daphnia Daphnia magna = 100.00 mg/L a) Aquatic acute toxicity : EC50 Algae pseudokirchneriella subcapitata = 623.00 mg/L 72h c) Bacteria toxicity : NOEC Uronema parduczi = 463.00 mg/L 48h
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	CAS: 2634-33-5 - EINECS: 220-120-9 - INDEX: 613-088-00-6	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 2.15000 mg/L 96h OECD Guideline 203 a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 2.90000 mg/L 48h OECD Guideline 202 a) Aquatic acute toxicity : EC50 Algae green alga Selenastrum capricornutum freshwater algae = 110.00000 µg/L OECD Guideline 201 d) Terrestrial toxicity : EC50 Worm Eisenia fetida > 410.60000 mg/kg OECD Guideline 207 - Duration 14d d) Terrestrial toxicity : EC10 soil microorganisms = 263.70000 mg/kg - long term a) Aquatic acute toxicity : NOEC Sludge activated sludge 10.30000 mg/L 3h OECD Guideline 209 e) Plant toxicity : LC50 Triticum aestivum = 200.00000 mg/kg OECD Guideline 208
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS: 55965-84-9 - INDEX: 613-167-00-5	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 0.19000 mg/L 96h EPA OPP 72-1 (Fish Acute Toxicity Test) b) Aquatic chronic toxicity : NOEC Fish Danio rerio = 0.02000 mg/L „OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test) - 35days a) Aquatic acute toxicity : LC50 Daphnia Daphnia magna = 0.16000 mg/L 48h EPA OPP 72-2 (Aquatic Invertebrate Acute Toxicity Test) b) Aquatic chronic toxicity : NOEC Daphnia Daphnia magna = 0.10000 mg/L EPA OPP 72-4 (Fish Early Life-Stage and Aquatic Invertebrate Life-Cycle Studies) - 21days a) Aquatic acute toxicity : EC50 Algae Skeletonema costatum = 0.00 mg/L 96h „OECD Guideline 201 (Alga, Growth Inhibition Test) a) Aquatic acute toxicity : EC50 Sludge activated sludge = 4.50000 mg/L

3h „OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

d) Terrestrial toxicity : LC50 Worm *Eisenia fetida* = 613.00000 mg/kg „OECD Guideline 207 (Earthworm, Acute Toxicity Tests) - 14days

e) Plant toxicity : NOEC *Trifolium pratense*, *Oryza sativa*, *Brassica napus* = 1000.00000 mg/L OECD Guideline 208 (Terrestrial Plants Test: Seedling Emergence and Seedling Growth Test) - 21days

## 12.2. Persistence and degradability

Component	Persistence/Degradability:	Test	Value	Notes
2-butoxyethanol; ethyleneglycol monobutyl ether; butyl cellosolve	Readily biodegradable	Biochemical oxygen demand	98.000	28days
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	Non-readily biodegradable	CO2 production		OECD Guideline 301C
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Non-readily biodegradable			

## 12.3. Bioaccumulative potential

Component	Bioaccumulation	Test	Value	Notes
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	Bioaccumulative	BCF - Bioconcentration factor	6.620	
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Bioaccumulative	BCF - Bioconcentration factor	54.000	≤ 54

## 12.4. Mobility in soil

N.A.

## 12.5. Results of PBT and vPvB assessment

No PBT/vPvB Ingredients are present

## 12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

## 12.7 Other adverse effects

N.A.

---

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

A waste code according to European waste catalogue (EWC) cannot be specified, due to dependence on the usage. Contact an authorized waste disposal service.

### Properties of waste which render it hazardous (Annex III, Directive 2008/98/EC):

N.A.

---

## SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

### 14.1. UN number or ID number

N.A.

### 14.2. UN proper shipping name

N.A.

### 14.3. Transport hazard class(es)

N.A.

### 14.4. Packing group

N.A.

### 14.5. Environmental hazards

N.A.

### 14.6. Special precautions for user

N.A.

Road and Rail (ADR-RID) :

N.A.

Air (IATA) :

N.A.

Sea ( IMDG ) :

N.A.

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

N.A.

---

### SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2020/878

Regulation (EC) nr 648/2004 (Detergents).

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None

Restrictions related to the substances contained: 55, 70, 75

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

#### Regulation (EU) 649/2012 (PIC regulation):

No Substance Listed

German Water Hazard Class.

NWG: Not hazardous for water

SVHC Substances:

No data available

#### Dir. 2004/42/EC (VOC directive)

(ready to use)

Volatile Organic compounds - VOCs = 6.58 %

Volatile Organic compounds - VOCs = 68.38 g/L

AQUA-PUR BASIC A (not ready to use)

Volatile Organic compounds - VOCs = 4.23 %

Volatile Organic compounds - VOCs = 43.73 g/L

#### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

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### SECTION 16: Other information

Code	Description
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

<b>Code</b>	<b>Hazard class and hazard category</b>	<b>Description</b>
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/2	Eye Irrit. 2	Eye irritation, Category 2

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAFH: Keep Away From Heat

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LDLo: Leathal Dose Low

N.A.: Not Applicable

N/A: Not Applicable

N/D: Not defined/ Not available

NA: Not available

NIOSH: National Institute for Occupational Safety and Health

NOAEL: No Observed Adverse Effect Level

OSHA: Occupational Safety and Health Administration.

PBT: Persistent, Bioaccumulative and Toxic

PGK: Packaging Instruction

PNEC: Predicted No Effect Concentration.

PSG: Passengers

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

vPvB: Very Persistent, Very Bioaccumulative.

WGK: German Water Hazard Class.

**Paragraphs modified from the previous revision:**

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 4. FIRST AID MEASURES
- 5. FIRE-FIGHTING MEASURES
- 6. ACCIDENTAL RELEASE MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 10. STABILITY AND REACTIVITY
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 13. DISPOSAL CONSIDERATIONS
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION

## Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Article 31, Annex II, as amended by Commission Regulation (EU) 2020/878

### AQUA-PUR BASIC B

Date of first edition: 10/2/2020

Safety Data Sheet dated 12/23/2021

version 6

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

### 1.1. Product identifier

Mixture identification:

Trade name: AQUA-PUR BASIC B

Trade code: 001016008-06

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

Recommended use: hardener

Uses advised against: Data not available.

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

Company: KERAKOLL S.p.A.

Via dell'Artigianato, 9

41049 Sassuolo (MODENA) - ITALY

Tel.+39 0536 816511 Fax. +39 0536816581

safety@kerakoll.com

### 1.4. Emergency telephone number

European emergency phone number 112

Kerakoll Italy - +39-0536-816511

Ireland

Poison information centre: 01 809 2166 (Daily 8am-10pm)

In case of emergency call 999 or 112

Malta

In case of emergency call: +356 2395 2000 (24h)

## SECTION 2: Hazards identification



### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

Acute Tox. 4	Harmful if inhaled.
Skin Sens. 1B	May cause an allergic skin reaction.
STOT SE 3	May cause respiratory irritation.
Aquatic Chronic 3	Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:  
Nessuno

### 2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

#### Pictograms and Signal Words



Warning

#### Hazard statements

H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.



## Precautionary statements

- P102 Keep out of reach of children.
- P260 Do not breathe vapours.
- P280 Wear protective gloves and eye protection.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P501 Dispose of contents/container in accordance with applicable regulations.

## Contains

Blocked Polyisocyanate Based on Hexamethylene Diisocyanate (HDI)

Copolymer of hexane-1,6-diisocyanate, methanol and oxirane

## Dir. 2004/42/EC (VOC directive)

Two-pack reactive performance coatings for specific end use such as floors

EU limit value for this product (cat. A/j): 140 g/l

This product contains max 68.38 g/l VOC.

## Special provisions according to Annex XVII of REACH and subsequent amendments:

None

## 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$ .

No other hazards

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

N.A.

### 3.2. Mixtures

Mixture identification: AQUA-PUR BASIC B

## Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
25-50 %	Blocked Polyisocyanate Based on Hexamethylene Diisocyanate (HDI)	CAS:666723-27-9	Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335; Aquatic Chronic 3, H412, M-Chronic:1	
10-19,9 %	Copolymer of hexane-1,6-diisocyanate, methanol and oxirane	CAS:160994-68-3 EC:679-501-7	Acute Tox. 4, H332; Skin Sens. 1B, H317; STOT SE 3, H335; Aquatic Chronic 3, H412	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

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

After skin contact, this substance may give a hypersensitivity reaction in the skin when it is exposed to sunlight.; Analgesic. Addictive.; Phototoxic .

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment: In the case of spasms: diazepam intravenously.; Treat symptomatically.; Where appropriate artificial ventilation.

---

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

### 5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

---

## SECTION 6: Accidental release measures

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

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

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

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

### 6.4. Reference to other sections

See also section 8 and 13

---

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

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

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

Recommendation(s)

Industrial sector specific solutions:

---

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Community Occupational Exposure Limits (OEL)

Component	OEL Type	Country	Ceiling	Long Term mg/m <sup>3</sup>	Long Term ppm	Short Term mg/m <sup>3</sup>	Short Term ppm	Notes
Propane-1,2-diyl	NATIONAL	DENMARK				100.000		

diacetate

Hexamethylene Diisocyanate	NATIONAL	AUSTRIA	0.035	0.005	0.035	0.005	
	NATIONAL	BELGIUM	0.034	0.005			
	NATIONAL	CANADA C				0.020	Canada-Ontario
	NATIONAL	CANADA		0.005			Canada-Ontario
	NATIONAL	CANADA	0.034	0.005			Canada-Quebec
	NATIONAL	DENMARK	0.035	0.005	0.070	0.010	
	NATIONAL	FRANCE	0.075	0.010	0.150	0.020	
	NATIONAL	GERMANY	0.035	0.005	0.035	0.005	Germany AGS; Long term and short term: inhalable aerosol and vapour;
	NATIONAL	GERMANY C			0.070	0.010	Germany AGS; Inhalable aerosol and vapour
	NATIONAL	GERMANY	0.035	0.005	0.035	0.005	Germany DFG; Long term and short term: inhalable fraction and vapour; A momentary value of 0,01 ml/m <sup>3</sup> (0,070 mg/m <sup>3</sup> ) should not be exceeded
	NATIONAL	HUNGARY	0.035		0.035		
	NATIONAL	IRELAND		0.005			As NCO
	NATIONAL	ISRAEL	0.034	0.005			
	NATIONAL	ITALY	1.000				
	NATIONAL	JAPAN	0.034	0.005			JSOH
	NATIONAL	LATVIA	0.050				
	NATIONAL	CHINA	0.030				
	NATIONAL	POLAND	0.040		0.080		
	NATIONAL	ROMANIA	0.050	0.007	1.000	0.140	
	NATIONAL	SINGAPORE	0.034	0.005			
	NATIONAL	KOREA, REPUBLIC OF	0.034	0.005			
	NATIONAL	SPAIN	0.035	0.005			
	NATIONAL	SWEDEN	0.020	0.002	0.030	0.005	Short-term limit value: 5 minutes average value
	NATIONAL	UNITED STATES OF AMERICA C			0.140		10 min
	NATIONAL	UNITED STATES OF AMERICA	0.035				
	ACGIH	NNN		0.005			URT irr, resp sens
	NATIONAL	CANADA			26.000	5.000	Canada Ontario
	NATIONAL	CZECHIA	5.000		10.000		
	NATIONAL	RUSSIAN FEDERATION			3.000		

## 8.2. Exposure controls

Eye protection:

Eye glasses with side protection.; Face protection umbrella.

Protection for skin:

Flame-retardant protective clothing.; Full protection suit.

Protection for hands:

Gloves with long cuffs.; Nitrile rubber .

Respiratory protection:

Full face piece with gas filter type A .; Full face piece with Particle filter P3 .; Gas filter type ABEK .

Thermal Hazards:

Data not available.

Environmental exposure controls:

Data not available.

Hygienic and Technical measures

N.A.

---

## SECTION 9: Physical and chemical properties

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

Physical State Liquid

Color: Colourless

Odour: Characteristic

Odour threshold: N.A.

pH: N.A.

Kinematic viscosity: N.A.

Melting point / freezing point: N.A.

Initial boiling point and boiling range: 101 °C (214 °F)

Flash point: 65 °C (149 °F)

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Vapour pressure: 15.00 hPa

Relative density: 1.07 g/cm<sup>3</sup>

Solubility in water: N.A.

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: 165.00 °C

Decomposition temperature: N.A.

Flammability: N.A.

Volatile Organic compounds - VOCs = 30 % ; 321 g/l

#### Particle characteristics:

Particle size: N.A.

### 9.2. Other information

Miscibility: N.A.

Conductivity: N.A.

Evaporation rate: N.A.

Viscosity: 300.00 cPo

No other relevant information

---

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

None in particular.

### 10.3. Possibility of hazardous reactions

It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth, alloys in powder or vapours) and powerful reducing agents.

It may generate toxic gases on contact with oxidising mineral acids, and powerful oxidising agents.

It may catch fire on contact with oxidising mineral acids, and powerful oxidising agents.

None in particular.

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

---

## SECTION 11: Toxicological information

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

devo scrivere qualcosa

#### Toxicological Information of the Preparation

a) acute toxicity

The product is classified: Acute Tox. 4(H332)

b) skin corrosion/irritation

Not classified

	Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified
	Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	The product is classified: Skin Sens. 1B(H317)
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	The product is classified: STOT SE 3(H335)
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

#### Toxicological information on main components of the mixture:

Copolymer of hexane-1, 6-diisocyanate, methanol and oxirane

a) acute toxicity LD50 Oral Rat > 2000.00 mg/kg

LC50 Inhalation of aerosol Rat = 1.50 mg/l 4h

b) skin corrosion/irritation Skin Irritant Rabbit Positive

c) serious eye damage/irritation Eye Irritant Rabbit Yes

d) respiratory or skin sensitisation Skin Sensitization Guinea pig Positive

#### (sub-acute to chronic)

##### Component

AQUA-PUR BASIC B

##### Description

devo scrivere qualcosa

#### 11.2 Information on other hazards

##### Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

Harmful to aquatic life with long lasting effects.

#### List of Eco-Toxicological properties of the product

The product is classified: Aquatic Chronic 3(H412)

### 12.2. Persistence and degradability

N.A.

### 12.3. Bioaccumulative potential

N.A.

### 12.4. Mobility in soil

N.A.

### 12.5. Results of PBT and vPvB assessment

No PBT/vPvB Ingredients are present

### 12.6 Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

### 12.7 Other adverse effects

It is phytotoxic to plants.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

A waste code according to European waste catalogue (EWC) cannot be specified, due to dependence on the usage. Contact an authorized waste disposal service.

### Properties of waste which render it hazardous (Annex III, Directive 2008/98/EC):

HP 5: Specific Target Organ Toxicity (STOT)/Aspiration Toxicity; HP 6: Acute Toxicity; HP 13: Sensitising; HP 14: Ecotoxic

---

## SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

### 14.1. UN number or ID number

N.A.

### 14.2. UN proper shipping name

ADR-Shipping Name: N/A

IATA-Technical name: N/A

IMDG-Technical name: N/A

N.A.

### 14.3. Transport hazard class(es)

N.A.

IATA-Class: N/A

IMDG-Class: N/A

### 14.4. Packing group

N.A.

IATA-Packing group: N/A

IMDG-Packing group: N/A

### 14.5. Environmental hazards

N.A.

IMDG-EMS: N/A

### 14.6. Special precautions for user

N.A.

Road and Rail (ADR-RID) :

ADR exempt: No

ADR-Label: N.A. N/A

ADR - Hazard identification number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

ADR Limited Quantities: N/A

ADR Excepted Quantities: N/A

Air (IATA) :

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Subsidiary hazards: N/A

IATA-Erg: N/A

IATA-Special Provisioning: N/A

N.A.

Sea (IMDG) :

IMDG-Stowage Code: N/A

IMDG-Stowage Note: N/A

IMDG-Subsidiary hazards: N/A

IMDG-Special Provisioning: N/A

N.A.

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

N.A.

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## SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2020/878

Regulation (EC) nr 648/2004 (Detergents).

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3, 40

Restrictions related to the substances contained: None

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

#### **Regulation (EU) 649/2012 (PIC regulation):**

No Substance Listed

German Water Hazard Class.

Class 1: slightly hazardous for water.

SVHC Substances:

No data available

#### **Dir. 2004/42/EC (VOC directive)**

(ready to use)

Volatile Organic compounds - VOCs = 6.58 %

Volatile Organic compounds - VOCs = 68.38 g/L

AQUA-PUR BASIC B (not ready to use)

Volatile Organic compounds - VOCs = 30.00 %

Volatile Organic compounds - VOCs = 321.00 g/L

#### **15.2. Chemical safety assessment**

A Chemical Safety Assessment has been carried out for the mixture.

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### **SECTION 16: Other information**

<b>Code</b>	<b>Description</b>
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

<b>Code</b>	<b>Hazard class and hazard category</b>	<b>Description</b>
3.1/4/Inhal	Acute Tox. 4	Acute toxicity (inhalation), Category 4
3.4.2/1	Skin Sens. 1	Skin Sensitisation, Category 1
3.4.2/1B	Skin Sens. 1B	Skin Sensitisation, Category 1B
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
4.1/C3	Aquatic Chronic 3	Chronic (long term) aquatic hazard, category 3

#### **Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

<b>Classification according to Regulation (EC) Nr. 1272/2008</b>	<b>Classification procedure</b>
3.1/4/Inhal	Calculation method

3.4.2/1B	Calculation method
3.8/3	Calculation method
4.1/C3	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAHF: Keep Away From Heat

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LDLo: Leathal Dose Low

N.A.: Not Applicable

N/A: Not Applicable

N/D: Not defined/ Not available

NA: Not available

NIOSH: National Institute for Occupational Safety and Health

NOAEL: No Observed Adverse Effect Level

OSHA: Occupational Safety and Health Administration.

PBT: Persistent, Bioaccumulative and Toxic



PGK: Packaging Instruction  
PNEC: Predicted No Effect Concentration.  
PSG: Passengers  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
vPvB: Very Persistent, Very Bioaccumulative.  
WGK: German Water Hazard Class.

**Paragraphs modified from the previous revision:**

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 4. FIRST AID MEASURES
- 5. FIRE-FIGHTING MEASURES
- 6. ACCIDENTAL RELEASE MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 10. STABILITY AND REACTIVITY
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 13. DISPOSAL CONSIDERATIONS
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION