

# Safety Data Sheet AQUAPAST

According to regulation 1907/2006/EC (REACH), Annex II as amended by 878/2020/EU

Revision Date: 10/11/2022, Edition:06



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

### 1.1 Product identifier

**Product name:** AQUAPAST

**Product description:** Waterproofing bituminous emulsion

**REACH registration number:** Mixture (registration is not required according to REACH regulation,1907/2006/EC)

**UFI code:** Not applicable

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

**1.2.1 Relevant identified uses:** Coating

**Life Cycle Stages (LCS):** PW - Widespread use by professional workers

**Sector of Use (SU):** SU22 - Professional uses

**Product Category (PC):** PC9a - Coatings and paints, thinners, paint removers

**Process Category (PROC):** PROC8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities, PROC10 - Roller application or brushing, PROC11 - Non industrial spraying

**Environmental Release Category (ERC):** ERC8f - Wide dispersive outdoor use resulting in inclusion into or onto a matrix

**Article Category (AC):** AC4a - Stone, plaster, cement, glass and ceramic articles: Large surface area articles,

**Technical Function (TF):** Other

**Application of the substance / the mixture:** Surface protection: Waterproofing and protecting horizontal and vertical concrete surfaces.

**1.2.2 Uses advised against:** No additional information available.

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

**Manufacturer/Supplier - Further information obtainable from:**

BITUMIX S.A.

Bituminous Mixtures Production

15<sup>th</sup> km Old National Road Thessaloniki-Veria

Agios Athanasios – Thessaloniki - Greece

PO.Box: 1030, GR 57003

TEL: +30 2310 710017

FAX: +30 2310 710016

e-mail: [info@bitumix.gr](mailto:info@bitumix.gr)

### 1.4 Emergency telephone number

Regional Medicines and Poisons Information Centre NI

Pharmacy Department, Royal Hospital Suite

Grosvenor Road Belfast

Telephone: +44 28 90 63 2032

Fax: +44 28 90 24 80 30

Emergency telephone (24h): 844 892 0111

E-mail address: [nirdic.nirdic@belfasttrust.hscni.net](mailto:nirdic.nirdic@belfasttrust.hscni.net)

European Emergency Number: 112

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation 1272/2008/EC (CLP)

Not classified

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## 2.2 Label elements

Labelling according to Regulation 1272/2008/EC (CLP)

**Hazard pictograms:** Not required

**Signal words:** Not required

**Hazard determining components of labeling:** None

### Hazard statements:

Not classified

### Precautionary statements:

**P280:** Wear protective gloves / protective clothing / eye protection / face protection.

**P302+P352:** IF ON SKIN: Wash with plenty of soap and water.

**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 local/regional/national/international regulations

## 2.3 Other hazards

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) according to Regulation 1907/2006/EC, Annex XIII at levels of 0,1% or higher.

The 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 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is mixture.

### 3.2 Mixtures

Contains the following hazardous substances or substances for which there are workplace exposure limits:

Ingredient name	Percent % w/w	REACH registration number	Index number	CAS number	EC number	Classification 1272/2008 (CLP)
Asphalt (substance with a workplace exposure limit)	15-35	01-2119480172-44-XXXX	-	8052-42-4	232-490-9	-

For full text of abbreviations: see section 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General instructions:** Immediately remove any clothing soiled by the product. Symptoms may even occur after several hours, therefore medical observation is necessary for at least 48 hours after the accident.

**After inhalation:** No known hazard.

**After skin contact:** Remove contaminated clothing. Wash skin with soap and water. Use recognized skin cleanser. Do not use solvents. Seek medical attention for any rash or irritation.

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**After eye contact:** If the product has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If symptoms persist, obtain medical attention.

**After ingestion:** Rinse mouth. DO NOT induce vomiting. Get medical attention immediately.

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

No further relevant information available.

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

No further relevant information available.

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

**Suitable extinguishing media:** CO<sub>2</sub>, dry chemical powder, sand, foam, water spray

**Unsuitable extinguishing media:** Strong water stream

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

Not flammable in the form in which it available. Will not support combustion unless the water has evaporated. During heating or in case of fire poisonous gases may be produced.

#### **5.3 Advice for fire-fighters**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) when combating fire.

#### **Additional information:**

Contaminated water and residues from the fire are collected separately and disposed of in accordance with local regulation. They must not be emptied into the drain.

### **SECTION 6: Accidental release measures**

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

**For non-emergency personnel:** Immediately contact emergency personnel. No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel away. Avoid contact with skin and eyes.

**For emergency responders:** Wear suitable protective equipment (See section 8). Contact emergency services where appropriate. See also the information in "For non-emergency personnel".

#### **6.2 Environmental precautions**

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Collect and reuse where possible. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. In case of contamination inform immediately the local authorities.

#### **6.4 Reference to other sections**

See Section 1 for emergency contact information. See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

### **SECTION 7: Handling and storage**

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## 7.1 Precautions for safe handling

Avoid contact with eyes and skin. Use appropriate means of body protection (gloves, glasses, overalls, shoes). Apply all rules of personal hygiene after each use. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Avoid release to the environment.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in approved tightly closed and properly labeled container. Store in a closed room at temperatures above 5°C. Keep containers properly sealed and the content away from non-compatible materials, see section 10. Ensure containers are protected from physical damage and sealed when not in use.

## 7.3 Specific end use(s)

No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values (Workplace Exposure Limits)

Ingredient name	TWA (Long-term exposure limit)	STEL (Short-term exposure limit)	Ceiling (Ceiling limit)	Remarks
Asphalt fumes (CAS: 8052-42-4)	5 mg/m <sup>3</sup> , 8h	10 mg/m <sup>3</sup> , 15min	-	WEL: EH40/2020

#### Derived No Effect Level (DNEL) according to Regulation (EC) 1907/2006 (Human health values)

Asphalt fumes (CAS: 8052-42-4) DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (Acute)	Long term (Chronic)	Short term (Acute)	Long term (Chronic)	Short term (Acute)	Long term (Chronic)
Consumer	Local	-	-	-	-	-	0,6 mg/m <sup>3</sup> 24h
	Systemic	-	-	-	-	-	-
Worker	Local	-	-	-	-	-	2,9 mg/m <sup>3</sup> 8h
	Systemic	-	-	-	-	-	-

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) 1907/2006 (Environmental values)

PNEC values		
Compartment	Value	Notes
Fresh water	-	
Marine water	-	
Fresh water sediment	-	
Marine water sediment	-	
Sewage Treatment Plant	-	
Soil	-	

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Emergency eye wash station and safety showers should be available in the immediate vicinity of any potential exposure. Take organizational measures to prevent /limit releases, dispersion and exposure. See also section 7.

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

**General protective and hygienic measures:** Avoid contact with skin and eyes. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the

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working period. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Respiratory protection:** Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure.

**Protection of hands:** Wear suitable chemical-resistant gloves (EN 374). The glove material has to be impermeable and resistant to the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (nitrile rubber, chloroprene rubber, PVC). The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. For this reason the suitability of gloves should be checked before use.

**Eye protection:** Wear safety glasses with side-shields (EN 166).

**Body protection:** Wear professional long-sleeved overalls and safety footwear (EN 340, 365, 466, 467)

## 8.2.3 Environmental exposure controls

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Properties	Values/Remarks
Physical state	Thixotropic paste
Colour	Brown/Black
Odour	Not determined
Melting point	Not determined
Freezing point	0°C (7732-18-5 water)
Boiling point or initial boiling point and boiling range	100°C (7732-18-5 water)
Flammability	Not flammable
Lower and upper explosion limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	9-12
Kinematic viscosity at 40 °C	1500-3500 cSt
Dynamic viscosity at 25 °C	2500-4500 cP
Solubility	Dissolves in water
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure at 20 °C	2,3 kPa (7732-18-5 water)
Density at 20 °C	1,00 – 1,05 gr/cm <sup>3</sup>
Relative vapour density	Not determined
Particle characteristics	Not determined

### 9.2 Other information

**Content of V.O.C:** Subcategory: One-pack performance coatings.

Limit value V.O.C: 140 gr/l. Max value V.O.C: 10 gr/l

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Non-reactive with other substances under normal conditions of storage and use.

### 10.2 Chemical stability

Stable under recommended conditions of storage and use. Not decomposed when it is stored and handled properly.

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## **10.3 Possibility of hazardous reactions**

Hazardous reactions and polymerisation will not occur under normal conditions of storage and use.

## **10.4 Conditions to avoid**

Avoid low (<5oC) and high (>40oC) temperatures and contact with oxidizing substances and acids.

## **10.5 Incompatible materials**

Oxidising substances, acids.

## **10.6 Hazardous decomposition products**

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

## **SECTION 11: Toxicological information**

### **11.1 Information on hazard classes as defined in Regulation 1272/2008/EC**

#### **Acute toxicity**

Based on the available data, there is no classification

#### **Skin corrosion/irritation**

Based on the available data, there is no classification

#### **Serious eye damage/irritation**

Based on the available data, there is no classification

#### **Respiratory or skin sensitization**

Based on the available data, there is no classification

#### **Germ cell mutagenicity**

Based on the available data, there is no classification

#### **Carcinogenicity**

Based on the available data, there is no classification

#### **Reproductive toxicity**

Based on the available data, there is no classification

#### **Specific target organ toxicity (STOT) (single exposure)**

Based on the available data, there is no classification

#### **Specific target organ toxicity (STOT) (repeated exposure)**

Based on the available data, there is no classification

#### **Aspiration hazard**

There is no classification because the mixture has a viscosity greater than 20,5 cSt at 40 °C

#### **Information on likely routes of exposure**

**Eye contact:** No further relevant information available.

**Skin contact:** No further relevant information available.

**Inhalation:** No further relevant information available.

**Ingestion:** Not available.

#### **Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** No further relevant information available.

**Skin contact:** No further relevant information available.

**Inhalation:** No further relevant information available.

**Ingestion:** No further relevant information available.

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## **Delayed and immediate effects and also chronic effects from short and long term exposure**

### **Short term exposure:**

Potential immediate effects: No further relevant information available.

Potential delayed effects: No further relevant information available.

### **Long term exposure:**

Potential immediate effects: No further relevant information available.

Potential delayed effects: No further relevant information available.

**Potential chronic health effects:** No further relevant information available.

### **11.2 Information on other hazards**

#### **Endocrine disrupting properties**

No further relevant information available.

#### **Other information**

No further relevant information available.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

Based on the available data, there is no classification.

### **12.2 Persistence and degradability**

No further relevant information available.

### **12.3 Bioaccumulative potential**

No further relevant information available.

### **12.4 Mobility in soil**

**WATER:** When in contact with water the emulsion will dissolve over the surface and dilutes; the bitumen phase disperses. Bitumen phase may agglomerate in narrow spaces (e.g. channels) and normally precipitates. In case the density of the bitumen is lower it floats.

**SOIL:** When in contact with soil the emulsion will degrade and the bitumen attaches the outer layer of the soil particles.

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

The product 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**

No further relevant information available.

### **12.7 Other adverse effects**

No further relevant information available.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Product disposal**

In the absence of relevant alteration to the material or present of contaminants, disposal of this product as surplus (unused) or off-spec material or waste resulting from the foreseeable uses, does not present a specific hazard, or require special handling measures other than those indicates in section 7. Reuse or recycle product wherever possible.

The waste of product should be considered non-hazardous waste. They should not be mixed with other hazardous and non-hazardous waste and should not be disposed of in the water, sewer or ground. The waste of product must be collected separately and shall be submitted an authorized organization for waste management.

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Waste code according to the European Waste Catalog (EWC):

**Wastes of the product: 08 04 10** - waste adhesives and sealants other than those mentioned in 08 04 09\*.

### Absorption material disposal

Absorption materials for accidental release of the product should be considered non-hazardous waste. They must be collected separately and shall be submitted an authorized organization for waste management.

Waste code according to the European Waste Catalog (EWC):

**Absorption wastes of the product: 15 02 03** - absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02\*

### Packaging disposal

Uncleaned packaging can be cleaned with water at ambient temperature when the product residue is fluid and reused or collected separately and submitted an authorized organization for waste management.

Waste disposal code according to European Waste Catalog (EWC):

**Cleaned waste packaging: 15 01 02** - plastic packaging

**Not-cleaned waste packaging:** Not applicable

## SECTION 14: Transport information

Classification according to ADR / RID, IMDG, IATA / ICAO transport regulations

### 14.1 UN number

ADR	IMDG	IATA	RID
Not applicable	Not applicable	Not applicable	Not applicable

### 14.2 UN proper shipping name

ADR	IMDG	IATA	RID
Not applicable	Not applicable	Not applicable	Not applicable

### 14.3 Transport hazard class(es)

ADR	IMDG	IATA	RID
Not applicable	Not applicable	Not applicable	Not applicable

### 14.4 Packing group

ADR	IMDG	IATA	RID
Not applicable	Not applicable	Not applicable	Not applicable

### 14.5 Environmental hazards

ADR	IMDG	IATA	RID
No	No Marine pollutant: No	No	No

### 14.6 Special precautions for user

ADR	IMDG	IATA	RID
None known	None known	None known	None known

### Additional information



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ADR	IMDG	IATA	RID
None known	None known	None known	None known

#### 14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1 Regulation 1907/2006/EC (REACH)

Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII): None

Substances subject to authorization (Annex XIV): None

Substances of Very High Concern (SVHC) according to Article 57 (candidate list): None

##### 15.1.2 Directive 2012/18/EU (Seveso III) (Control of major-accident hazards involving dangerous substances):

Dangerous substance/hazard categories:

Named dangerous substances - ANNEX I: None of the ingredients are listed.

Seveso category: Not applicable

##### 15.1.3 Regulation 649/2012/EC (Export and import of dangerous chemicals) :

Substances subject to export and import reporting: None

##### 15.1.4 Regulation 1005/2009/EC:

Substances that deplete the ozone layer: None

##### 15.1.5 Regulation 1021/2019/EC:

Substances that are persistent organic pollutants (POP): None

##### 15.1.6 Directive 2004/42/EC (Reduction of Volatile Organic Compound (VOC) emissions):

VOC value: See section 9.2

##### 15.1.7 Directive 98/24/EC:

Occupational Health and Safety Protection of Workers from Risks Due to Chemical Factors

**Healthcare controls:** Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

#### 15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for the components of the product: Asphalt (CAS: 8052-42-4)

### SECTION 16: Other information

#### 16.1 Abbreviations and acronyms

CLP	Regulation for Classification, Labelling and Packaging
REACH	Regulation for Registration, Evaluation, Authorisation and Restriction of Chemicals
GHS	Globally Harmonized System of classification and labeling of chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances

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ADR	Agreement on dangerous goods by road
RID	Regulation concerning the international transport of dangerous goods by train
IMDG	International Maritime Code for dangerous goods
IATA	International Air Transport Association
IBC CODE	International Bulk Chemical code
MARPOL	International Convention for the Prevention of Pollution from Ships
EWC	European Waste Catalog
UN	United Nations
VOC	Volatile Organic Compounds
SVHC	Substance of Very High Concern
CAS NUMBER	Chemical Abstract Service Number
EC NUMBER	European Community number
INDEX NUMBER	Identifier in Annex VI of CLP
TWA	Time-weighted average exposure limit
STEL	Short-term exposure limit
CEILING	Concentration that should not be exceeded during any time of occupational exposure
PBT	Persistent bioaccumulative and toxic as REACH Regulation
vPvB	Very Persistent and very Bioaccumulative as for REACH Regulation.
DNEL	Derived No Effect Level
PNEC	Predicted no effect concentration
EC50	Effective concentration (required to induce a 50% effect)
EL50	Effect loading doses resulting in 50% mortality
LC50	Lethal Concentration 50%
LD50	Lethal dose 50%
NO(A)EC	No Observed (Adverse) Effect Concentration
NO(A)EL	No Observed (Adverse) Effect Level

## 16.2 List of relevant phrases (code and full text as stated in chapter 2 and 3)


## 16.3 Other information

**Suggested Use Restrictions:** For professional use only

### Notice to reader:

The information contained in this SDS is based on our current knowledge and information gained by applicable law. Any descriptions and data given herein may be changed without prior notice. Reported information is not a guarantee of product properties and do not justify legal consequences, but provide a framework welfare of the product for particular uses.