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

### 1.1. Product identifier

Name of product AQUAPROTECT STONE

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

No information available.

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

#### Manufacturer/distributor

TPH Bausysteme GmbH  
Nordportbogen 8, D-22848 Norderstedt  
Phone +49 (0)40 / 52 90 66 78-0, Fax +49 (0)40 / 52 90 66  
78-78  
E-Mail info@tph-bausysteme.com  
Internet www.tph-bausysteme.com

#### Advice

E-mail (competent person):  
sdb-info@tph-bausysteme.com

### 1.4. Emergency telephone number

#### Emergency advice

GIZ-Nord  
Phone +49 (0)551 / 19240

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

#### Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

No information available.

### 2.3. Other hazards

#### Adverse human health effects and symptoms

Inhalation of aerosol spray may damage health.

#### Information pertaining to special dangers for human and environment

Product generates Ethanol (CAS-Nr. 64-17-5) on hydrolysis. Ethanol is highly flammable.

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## SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

#### Description

aqueous alkoxy silane-/siloxane-mixture

#### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
64742-47-8	265-149-8	Distillates (petroleum), hydrotreated light; Kerosine - unspecified	< 50	Asp. Tox. 1, H304
64742-48-9	265-150-3	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	< 15	Carc. 1B, H350 / Muta. 1B, H340 / Asp. Tox. 1, H304

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the event of persistent symptoms receive medical treatment.

#### In case of inhalation

Ensure of fresh air.

#### In case of skin contact

In case of contact with skin wash off immediately with soap and water.

Consult a doctor if skin irritation persists.

#### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### In case of ingestion

Do not induce vomiting.

Give plenty of water to drink in small sips.

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

No information available.

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

No information available.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam

Dry powder

Carbon dioxide

Dry sand

Water spray jet

**Unsuitable extinguishing media**

no

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

In the event of fire the following can be released:

Nitrogen gases (NO<sub>x</sub>)

Alkohole

**5.3. Advice for firefighters**

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

**Additional information**

Collect contaminated firefighting water separately, must not be discharged into the drains.

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**SECTION 6: Accidental release measures**

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

**For non-emergency personnel**

Keep people away and stay on the upwind side.

Use breathing apparatus if exposed to vapours/dust/aerosol.

**6.2. Environmental precautions**

Do not discharge into the drains or bodies of water..

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not discharge into the subsoil/soil.

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

Do not distribute with water.

After taking up the material dispose according to regulation.

Take up mechanically.

**Additional Information**

Informations for disposal see chapter 13.

**6.4. Reference to other sections**

No information available.

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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Avoid formation of aerosols.

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

**General protective measures**

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

**Hygiene measures**

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Keep separated from food and feed.

Wash hands before breaks and after work.

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**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking  
Ignitable mixtures can be formed in the empty container.  
Avoid effect of heat.

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

**Requirements for storage rooms and vessels**

Keep in closed original container.  
Prevent penetration into the ground.

**Advice on storage compatibility**

no

**Further information on storage conditions**

Keep container tightly closed and store at cool and aired place.  
Protect from frost.

**7.3. Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**8.2. Exposure controls**

**Respiratory protection**

Breathing apparatus in the event of aerosol or mist formation.  
Dust mask

**Hand protection**

PVC gloves

**Eye protection**

tightly fitting goggles

**Other protection measures**

protective clothing

**SECTION 9: Physical and chemical properties**

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

**Appearance**

pasty

**Colour**

yellowish

**Odour**

like petrol (gasoline )

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>Acid number</b>	not determined				
<b>boiling point</b>	not applicable				

	Value	Temperature	at	Method	Remark
<b>melting point</b>	not applicable				
<b>Flash point</b>	75 °C				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not applicable				
<b>Flammability (gas)</b>	not applicable				
<b>Ignition temperature</b>	375 °C				
<b>Self ignition temperature</b>	no				
<b>Lower explosion limit</b>	ca. 0,6 Vol-%				
<b>Upper explosion limit</b>	ca. 7 Vol-%				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	ca. 0,84 g/cm <sup>3</sup>	23 °C		DIN EN ISO 2811-1	
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					hydrolyses
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity dynamic</b>	not determined				
<b>Water content</b>	not determined				
<b>Solids content</b>	not applicable				
<b>Combustion value</b>	No data available				
<b>Oxidising properties</b>	No data available				
<b>Explosive properties</b>	No data available				
<b>9.2. Other information</b>	in water slow hydrolyse				

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

None, if handled according to order.

### 10.5. Incompatible materials

#### Substances to avoid

Reactions with strong oxidising agents.

Reaction causes the formation of: ethanol.

Reactions with water and acids.

Reactions with alkalies.

### 10.6. Hazardous decomposition products

By hydrolysis: ethanol.

### Thermal decomposition

Remark No decomposition if used as directed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 2000 mg/kg	rat		
<b>LD50 acute dermal</b>	not determined			
<b>LC50 acute inhalation</b>	not determined			
<b>Skin irritation</b>	low irritant effect			
<b>Eye irritation</b>	low irritant			
<b>Skin sensitization</b>	non-sensitizing			
<b>Sensitization respiratory system</b>		No data available		

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Subacute Toxicity</b>	not determined			
<b>Subchronic Toxicity</b>	not determined			
<b>Chronic Toxicity</b>	not determined			
<b>Mutagenicity</b>	not determined			
<b>Reproduction-Toxicity</b>	not determined			
<b>Carcinogenicity</b>	not determined			

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

No data available

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

No data available

**Aspiration hazard**

No data available

**Additional information**

No toxicological data available.

The given toxicological data are determined by analogy conclusion.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicological effects**

	Value	Species	Method	Validation
<b>Fish</b>	not determined			
<b>Daphnia</b>	not determined			
<b>Algae</b>	not determined			
<b>Bacteria</b>	not determined			

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	not determined			

	Elimination rate	Method of analysis	Method	Validation
<b>Biological degradability</b>	Silicone content: Biologically not degradable. The hydrolysis product (ethanol) is readily biologically degradable.			
<b>Degradability</b>	not determined			
<b>Biological eliminability</b>	not determined			
<b>Degradability according to WRMG</b>	not determined			

### 12.3. Bioaccumulative potential

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

### 12.4. Mobility in soil

not determined

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

no

### Behaviour in sewage plant

not determined

### Respiration inhibition of activated sludge

	Value	Method	Remark
<b>EC 50</b>	not determined		

### Additional ecological information

	Value	Method	Remark
<b>OC</b>	No data available		
<b>COD</b>	No data available		
<b>BOD</b>	No data available		
<b>AOX</b>	not applicable		

### Contains following heavy metals and compounds of the 76/464/EWG

no

### General regulation

Ecological dates are not available.

Product is not allowed to be discharged into the ground water or aquatic environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.



## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste code No.	Name of waste
07 02 08*	other still bottoms and reaction residues

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

### Recommendations for the product

Incinerate in suitable incineration plant, but care for official regulations.

### Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

### 14.6. Special precautions for user

No information available.

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

No information available.

### Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.

### Marine transport IMDG

No dangerous goods as defined by these transport regulations.

### Air transport ICAO/IATA-DGR

No dangerous goods as defined by these transport regulations.

### Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

## SECTION 15: Regulatory information

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

#### National regulations

**Water hazard class** 1 Mixture-WGK

### 15.2. Chemical Safety Assessment

No information available.

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## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.8

- H304 May be fatal if swallowed and enters airways.
- H340 May cause genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
- H350 May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).