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**! SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Name of product** SpaTime Clarifier / Chiarificante  
414842

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Recommended intended purpose(s)**

Water clarifier

**1.3. Details of the supplier of the safety data sheet****Manufacturer/distributor**

BAYROL Deutschland GmbH  
Robert-Koch-Str. 4, D-82152 Planegg  
Phone +49 (0) 89 85701-0, Fax +49 (0) 89 85701-276  
E-Mail bayrol@bayrol.de  
Internet www.bayrol.de

**Advice**

E-mail (competent person):  
ASchwarzenboeck@bayrol.de

**1.4. Emergency telephone number****Emergency advice**

Giftnotruf München (oder jedes andere Giftinformationszentrum)  
Phone +49 (0) 89 19240

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**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to 67/548/EEC or 1999/45/EC****Additional hints**

The preparation is not classified as hazardous according to Directive 1999/45/EC.

**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]****Precautionary Statements**

P102 Keep out of reach of children.

P262 Do not get in eyes, on skin, or on clothing.

**2.3. Other hazards****Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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**SECTION 3: Composition/ information on ingredients****3.1. Substances**

not applicable

**3.2. Mixtures****Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
68424-85-1	270-325-2	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	0,25	Xn,R21/22; C,R34; N,R50

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
68424-85-1	270-325-2	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	0,25	Acute Tox. 4, H302 / Acute Tox. 4, H312 / Skin Corr. 1B, H314 / Aquatic Acute, H400 / M10

**REACH**

CAS No	Name	REACH registration number
68424-85-1	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides	05-2114132022-72

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**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.

**In case of inhalation**

Remove the casualty into fresh air and keep him immobile.

In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off immediately with plenty of water.

Consult a doctor if skin irritation persists.

**In case of eye contact**

Eye rinsing with water carefully while protecting unhurt eye.

Refer to medical treatment.

**In case of ingestion**

Do not induce vomiting.

Refer to medical treatment.

Rinse out mouth and give plenty of water to drink.

**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****Treatment (Advice to doctor)**

Treat symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

water

Foam

Dry fire-extinguishing substance

Carbon dioxide

sand

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

No information available.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

#### Additional information

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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## SECTION 6: Accidental release measures

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

No information available.

#### For non-emergency personnel

Use personal protective clothing.

High risk of slipping due to leakage/spillage of product.

### 6.2. Environmental precautions

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds etc.

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

Take up with absorbent material (e.g. sand, sawdust, general-purpose binder).

Flush away residues with water.

### 6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

Emergency telephone number: see section 1

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

No special measures necessary if used correctly.

#### General protective measures

Avoid contact with eyes and skin

#### Hygiene measures

Do not eat or drink when working.

Keep away from food and drink.

Wash hands before breaks and after work.

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**Advice on protection against fire and explosion**

The product is not combustible.

No special measures necessary.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep only in original container.

**Advice on storage compatibility**

Do not store together with animal feedstuffs.

Do not store together with food.

**Information on storage stability**

Storage time: 5 years.

**7.3. Specific end use(s)****Recommendation(s) for intended use**

See section 1.2

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

No information available.

**8.2. Exposure controls****Respiratory protection**

Breathing apparatus in the event of aerosol or mist formation.

**Hand protection**

chemical-resistant gloves

Suitable materials (recommended: protection index 6, &gt;480 minutes permeation time according to EN 374)

Nitrile-butadiene rubber (NBR) - 0.4 mm layer thickness

Butyl rubber (butyl) - 0.7mm layer thickness

In view of the many different types, the manufacturers' directions for use must be followed

**Eye protection**

tightly fitting goggles

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance**

liquid

**Colour**

blue

**Odour**

characteristic

**Odour threshold**

No information available.

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	ca. 7	20 °C	100 g/l	potentiometric	
<b>Boiling temperature / boiling range</b>	No information available.				

	Value	Temperature	at	Method	Remark
<b>Melting point / Freezing point</b>	No information available.				
<b>Flash point</b>					No flash point below 100°C.
<b>Vapourisation rate</b>	No information available.				
<b>Flammable (solid)</b>	No information available.				
<b>Flammability (gas)</b>	No information available.				
<b>Ignition temperature</b>	No information available.				
<b>Self ignition temperature</b>	No information available.				
<b>Lower explosion limit</b>	No information available.				
<b>Upper explosion limit</b>	No information available.				
<b>Vapour pressure</b>	No information available.				
<b>Relative density</b>	1,02 g/cm <sup>3</sup>	20 °C		aerometric	
<b>Vapour density</b>	No information available.				
<b>Solubility in water</b>					miscible
<b>Solubility/other</b>	No information available.				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	No information available.				
<b>Decomposition temperature</b>	No information available.				
<b>Viscosity</b>	No information available.				
<b>Oxidising properties</b>	No information available.				
<b>Explosive properties</b>	No information available.				
<b>9.2. Other information</b>	No information available.				

## 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**

No information available.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

**Thermal decomposition**

Remark                      No decomposition if used as directed.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 10000 mg/kg	rat		

**SECTION 12: Ecological information**

**12.1. Toxicity**

No information available.

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	The product can be largely eliminated from the water by abiotic processes, e.g. adsorption to activated sludge.			
<b>Biological degradability</b>	30-70 %		OECD 302 B	

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

**Behaviour in sewage plant**

When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

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**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Recommendations for the product**

Remove in accordance with local official regulations.

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany the Recycling and Waste Management Act (KrWG) stipulates recycling as a requirement.

**Recommendations for packaging**

Uncontaminated packaging may be reused.

**Recommended cleansing agent**

Water

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**SECTION 14: Transport information**

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

**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.

**Transport/further information**

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

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**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

No information available.

**15.2. Chemical Safety Assessment**

Chemical safety assessments for substances in this mixture were not carried out.

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**SECTION 16: Other information****Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

**Further information**

Refer to product information paper.

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: 2.4

**Sources of key data used**

Results of own researches and examinations  
Literature informations  
Toxicity studies, NIOSH-Tox-Data  
National legislation and regulation

**Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)**

R 21/22 Harmful in contact with skin and if swallowed.

R 34 Causes burns.

R 50 Very toxic to aquatic organisms.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.