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

Name of product SpaTime Pipework Cleaner / Detergente tubazioni
411274

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

Alkaline cleaner

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

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

R31
C; R34
Xi; R36/37
R52/53

R-phrases

31 Contact with acids liberates toxic gas.
34 Causes burns.
36/37 Irritating to eyes and respiratory system.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Skin Corr. 1B	H314
STOT SE 3	H335
Aquatic Chronic 3	H412

Hazard Statements

H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

GHS05



GHS07

Signal word

Danger

Hazard Statements

- H314 Causes severe skin burns and eye damage.
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 dust/fume/gas/mist/vapours/spray.
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.
P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous ingredients for labeling

disodium metasilicate, troclosene sodium, dihydrate

Supplemental Hazard information (EU)

Contact with acids liberates toxic gas.

Special rules for supplemental label elements for certain mixtures

Warning! Do not use together with other products. May release dangerous gases (chlorine).

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.

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
51580-86-0	220-767-7	troclosene sodium, dihydrate	2	Xn R22; R31; Xi R36/37; N R50-53
497-19-8	207-838-8	sodium carbonate	< 25	Xi R36
6834-92-0	229-912-9	disodium metasilicate	15 - 30	C R34; Xi R37

Hazardous ingredients (continued)

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
51580-86-0	220-767-7	troclosene sodium, dihydrate	2	Acute Tox. 4, H302 / Eye Irrit. 2, H319 / STOT SE 3, H335 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410
497-19-8	207-838-8	sodium carbonate	< 25	Eye Irrit. 2, H319
6834-92-0	229-912-9	disodium metasilicate	15 - 30	Skin Corr. 1B, H314 / STOT SE 3, H335

REACH

CAS No	Name	REACH registration number
51580-86-0	troclosene sodium, dihydrate	01-2119489371-33-xxxx

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

Remove contaminated soaked clothing immediately and dispose it safely.
 Symptoms of poisoning may not occur for hours, therefore medical supervision for at least 48 hours necessary.
 Adhere to personal protective measures when giving first aid.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.
 If intensive inhalation of dust seek medical treatment immediately.

In case of skin contact

In case of contact with skin wash off immediately with plenty of water.
 Refer for medical treatment.

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

Product does not burn, fire-extinguishing activities according to surrounding.

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:
 Chlorine (Cl₂)

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.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

No information available.

For non-emergency personnel

Avoid dust formation.
Use personal protective clothing.

6.2. Environmental precautions

Product should not be discharged in an undiluted or non-neutralized form into sewage or the environment

6.3. Methods and material for containment and cleaning up

Flush away residues with water.
Take up mechanically.

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

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid the formation of dust.

General protective measures

Avoid contact with eyes and skin
Do not inhale dust.

Hygiene measures

Do not eat or drink when working.
Keep away from food and drink.
Wash hands before breaks and after work.

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.

Further information on storage conditions

Keep container dry and tightly closed.

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
8.2. Exposure controls
Respiratory protection

Dust mask

Hand protection

chemical-resistant gloves

Suitable materials (recommended: protection index 6, >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

Safety goggles

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

powder

Colour

white

Odour

characteristic

Odour threshold

No information available.

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	12,5	20 °C	10 g/l		
Boiling temperature / boiling range	No information available.				
Melting point / Freezing point	No information available.				
Flash point	not applicable				
Vapourisation rate	No information available.				
Flammable (solid)	No information available.				

	Value	Temperature	at	Method	Remark
Flammability (gas)	No information available.				
Ignition temperature	No information available.				
Self ignition temperature	No information available.				
Lower explosion limit	No information available.				
Upper explosion limit	No information available.				
Vapour pressure	No information available.				
Relative density	No information available.				
Bulk density	810 kg/m ³				
Vapour density	No information available.				
Solubility in water	50 g/l	20 °C			
Solubility/other	No information available.				
Partition coefficient n-octanol/water (log P O/W)	No information available.				
Decomposition temperature	No information available.				
Viscosity	No information available.				
Oxidising properties	No information available.				
Explosive properties	No information available.				
9.2. Other information	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

Evolution of chlorine under influence of acids.

Reactions with metals, with evolution of hydrogen.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials
Materials to avoid

Acid

10.6. Hazardous decomposition products

Chlorine

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
Irritability skin	corrosive			
Irritability eye	risk of strong eye injuries			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Mutagenicity	No data available			
Reproduction-Toxicity	No data available			
Carcinogenicity	No data available			

Experiences made from practice

After swallowing: burns in mouth, throat, oesophagus and gastrointestinal tract. Risk of perforation in the oesophagus and stomach.

Irritates respiratory tract.

SECTION 12: Ecological information
12.1. Toxicity

No information available.

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability	> 90 %		OECD 302 B	
	The organic component of the product is biodegradable.			

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

The product is an alkaline solution. Neutralization is normally necessary before waste water is discharged into sewage treatment plants.

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

Untaminated packaging may be taken for recycling.

Recommended cleansing agent

Water

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	3262	3262	3262
14.2. UN proper shipping name	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (disodium metasilicate)	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (disodium metasilicate)	Corrosive solid, basic, inorganic, n.o.s. (disodium metasilicate)
14.3. Transport hazard class(es)	8	8	8
14.4. Packing group	III	III	III
14.5. Environmental hazards	No	No	No

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

Hazard label(s) 8

tunnel restriction code E

Classification code C6

SECTION 15: Regulatory information

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

Other regulations (EU)

Please note:

Observe regulation 98/24/EC for employee health protection against the threat of chemical substances in the workplace.
Regulation (EC) No 648/2004 (Detergents regulation).

15.2. Chemical Safety Assessment

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

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Biozide sicher verwenden. Vor Gebrauch stets Kennzeichnung und Produktinformation lesen.

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: 5.5

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 22 Harmful if swallowed.

R 31 Contact with acids liberates toxic gas.

R 34 Causes burns.

R 36 Irritating to eyes.

R 36/37 Irritating to eyes and respiratory system.

R 37 Irritating to respiratory system.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.