

## TICKOPUR R 36

Print date: 11.03.2010

No.: 83025

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**1. Identification of the substance/preparation and of the company/undertaking****Identification of the substance or preparation**

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**Use of the substance/preparation**

Cleaning agent. Special cleaner for the ultrasonic bath, without tensides, concentrate.  
Restricted to professional users.

**Company/undertaking identification**

Company name :	DR.H.STAMM GmbH	Responsible Department :	
Street :	Heinrichstr. 3-4	Telephone :	+49-(0)30-768 80-258
Place :	D-12207 Berlin	e-mail :	sdb@dr-stamm.de
Telephone :	+49-(0)30-768 80-280	Emergency telephone :	+49-(0)30-768 80-280
Internet :	www.dr-stamm.de		

**Further Information**

24-hours-emergency: Giftnotruf Berlin: +49-(0)30-30686790 (german, english)

**2. Hazards identification****Classification**

Indications of danger : Irritant

R-phrases:

Irritating to eyes and skin.

**3. Composition/information on ingredients**

Chemical characterization ( Mixture )

**Hazardous components**

EC-No.	CAS-No.	Components	Quantity	Classification
213-791-2	7732-18-5	Water	70-80 %	
230-785-7	7320-34-5	Tetrapotassium pyrophosphate	*<16,0 %	
257-573-7	51981-21-6	N,N-bis(carboxylatomethyl)-L-glutamate, Sodium salt	<5,0 %	
229-912-9	10213-79-3	Disodium metasilicate pentahydrat	<4,0 %	C, Xi R34-37

Full text of each relevant R phrase can be found in heading 16.

**4. First aid measures****General information**

Change contaminated clothing.

**After inhalation**

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**After contact with skin**

After contact with skin, wash immediately with plenty of Water and soap.

**After contact with eyes**

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink large quantities of water. Do not induce vomiting. Consult physician.

**5. Fire-fighting measures****Suitable extinguishing media**

Water. Foam. Atomized water.

**Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases**

Can be released in case of fire: Nitrogen oxides (NOx). Carbon dioxide (CO2).

**Special protective equipment for fire-fighters**

Protective clothing.

**Additional information**

Material is not combustible. Extinguishing materials should be selected according to the surrounding area.

**6. Accidental release measures****Personal precautions**

Wear personal protection equipment.

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**Environmental precautions**

Do not empty into drains or the aquatic environment.

**Methods for cleaning up/taking up**Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the assimilated material according to the section on waste disposal.**7. Handling and storage****Handling****Advice on safe handling**

No special technical protective measures are necessary.

**Advice on protection against fire and explosion**

Product is not: Oxidizing. Flammable. explosive.

**Storage****Requirements for storage rooms and vessels**

Store only in original container. Keep away from food, drink and animal feedingstuffs.

Storageclass (VCI):

LGK 12

**8. Exposure controls/personal protection****Exposure limit values****Occupational exposure limits**

CAS No.	Substance	ml/m <sup>3</sup>	mg/m <sup>3</sup>	f/ml	Category	Origin
10213-79-3	Disodium metasilicate pentahydrat		1,5		TWA (8 h) STEL (15 min)	DFG DFG

**Exposure controls****Occupational exposure controls**

Refer to chapter 7. No further action is necessary.

**Protective and hygiene measures**

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work.

**Respiratory protection**

Respiratory protection not required.

**Hand protection**

Suitable material: PE (polyethylene). NR (Natural rubber (Caoutchouc), Natural latex). CR (polychloroprenes, Chloroprene rubber). NBR (Nitrile rubber). Butyl rubber. FKM (Fluoroelastomer (Viton)).

**Eye protection**

Framed glasses.

**Skin protection**

Skin protection: not required.

**9. Physical and chemical properties****General information**Physical state : liquid  
Colour : clear, yellow  
Odour : characteristic**Important health, safety and environmental information**pH-Value (at 20 °C) : 13,1 (conc.) 9,9 (1 %)      Test method  
DGF H-III 1**Changes in the physical state**Melting point : -6 °C  
Boiling point : >100 °C  
Flash point : ---**Explosive properties**

not Explosive.

**Oxidizing properties**

not oxidizing.

Density (at 20 °C) : 1,22 g/cm<sup>3</sup>      DIN 12791  
Water solubility : miscible.

**10. Stability and reactivity****Materials to avoid**

acid, concentrated.

**11. Toxicological information****Corrosive and irritant effects**

Irritant effect on the eye: irritant. Irritant effect on the skin: irritant.

**Sensitising effects**

no danger of sensitization.

**12. Ecological information****Ecotoxicity**

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge. due to the alkaline character of the product, usually, it has to be neutralized before contaminated effluents are introduced into the waste water treatment system.

**Persistence and degradability**

Individual components can be eliminated easily from water.

**13. Disposal considerations****Advice on disposal**

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

**Contaminated packaging**

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

**14. Transport information****Other applicable information**

Not a hazardous material with respect to transportation regulations.

**15. Regulatory information****Labelling**

Danger symbols : Xi - Irritant

**R phrases**

36/38 Irritating to eyes and skin.

**S phrases**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37/39 Wear suitable gloves and eye/face protection.

**EU regulatory information**

1999/13/EC (VOC) : 0 % (0g/l)

**National regulatory information**

Water contaminating class (D) : 1 - slightly water contaminating

**16. Other information****Full text of R-phrases referred to under sections 2 and 3**

34 Causes burns.

36/38 Irritating to eyes and skin.

37 Irritating to respiratory system.

**Other data**

Training instructions: Notice the directions for use on the label.

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

**Changes**

\* Data changed from previous versions

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*