

**TICKOPUR TR 2**

Print date: 16.03.2010

No.: 83030

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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 acid cleaner for the ultrasonic bath, demulsifying, 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.	Chemical name	Quantity	Classification
213-791-2	7732-18-5	Water	70-80 %	
203-961-6	112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	*<10,0 %	Xi R36
	68439-50-9	C12-C14 Fatty alcohol ethoxylate	<10,0 %	Xn, Xi, N R22-41-50
231-633-2	7664-38-2	phosphoric acid ... %, orthophosphoric acid ... %	<5,0 %	C R34
	111798-26-6	Phosphoric acid ester, sodium-salt	<2,0 %	Xi R36/38
235-741-0	12645-31-7	Phosphoric acid-2 ethylhexylester	<1,0 %	C R34

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: 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). Phosphorus oxides.

**Special protective equipment for fire-fighters**

Protective clothing.

**Additional information**

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

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

Wear personal protection equipment.

**Environmental precautions**

Do not empty into drains or the aquatic environment.

**Methods for cleaning up/taking up**

Treat the assimilated material according to the section on waste disposal. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

**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****Exposure limits (EH40)**

CAS-No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	15	101,2		TWA (8 h)	WEL
		10	67,5		STEL (15 min)	WEL
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

**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.

Take off immediately all contaminated clothing.

Wash hands before breaks and at the end of work.

**Respiratory protection**

Respiratory protection not required.

**Hand protection**

Suitable material: PVC (Polyvinyl chloride). 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 light yellow  
 Odour : characteristic

**Important health, safety and environmental information**

pH-Value (at 20 °C) : 1,5 (conc.) 3,6 (1 %)      Test method  
 DGF H-III 1

**Changes in the physical state**

Melting point : -6 °C  
 Boiling point : 100 °C

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Flash point : ---

**Explosive properties**

not Explosive.

**Oxidizing properties**

not oxidizing.

Density (at 20 °C) : 1,03 g/cm<sup>3</sup> DIN 12791

Water solubility (at 20 °C) : complete miscible

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

Alkalis (alkalis), concentrated. Alkali metals.

**Hazardous decomposition products**

None, in case of proper use.

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

Irritant effect on the skin: irritant. Irritant effect on the eye: 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. Product is acid. The product needs to apply neutralizing agents before draining to wastewater treatment plants.

**Persistence and degradability**

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**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) : 8 % (82,4 g/l)

**National regulatory information**

Water contaminating class (D) : 2 - water contaminating

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

22 Harmful if swallowed.

34 Causes burns.

36 Irritating to eyes.

36/38 Irritating to eyes and skin.

41 Risk of serious damage to eyes.

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50 Very toxic to aquatic organisms.

**Further Information**

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

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