

TICKOPUR TR 2

Print date: 16.03.2010

No.: 83030

Page 1 of 4

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

TICKOPUR TR 2

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.	Components	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

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.

TICKOPUR TR 2

Print date: 16.03.2010

No.: 83030

Page 2 of 4

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****Occupational exposure limits**

CAS No.	Substance	ml/m ³	mg/m ³	f/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5	.	TWA (8 h)	
		15	101.2	.	STEL (15 min)	
7664-38-2	Orthophosphoric acid	-	1	.	TWA (8 h)	
		-	2	.	STEL (15 min)	

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

TICKOPUR TR 2

Print date: 16.03.2010

No.: 83030

Page 3 of 4

Flash point : ---

Explosive properties

not Explosive.

Oxidizing properties

not oxidizing.

Density (at 20 °C) : 1,03 g/cm³ 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.

TICKOPUR TR 2

Print date: 16.03.2010

No.: 83030

Page 4 of 4

50 Very toxic to aquatic organisms.

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.)