

## TICKOMED 1

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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. Universal instrument cleaner, for the ultrasonic bath, 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 skin.  
Risk of serious damage to eyes.

**3. Composition/information on ingredients****Chemical characterization ( Mixture )****Hazardous components**

EC-No.	CAS-No.	Components	Quantity	Classification
213-791-2	7732-18-5	Water	60-70 %	
264-151-6	63449-41-2	Benzyl-C8-18-alkyldimethyl, chlorides	<10,0 %	C, Xn, N R21/22-34-50
	68439-50-9	C12-C14 Fatty alcohol ethoxylate	<10,0 %	Xn, Xi, N R22-41-50
257-573-7	51981-21-6	N,N-bis(carboxylatomethyl)-L-glutamate, Sodium salt	<6,0 %	
	68155-20-4	Alkanolamides	<5,0 %	Xn, Xi R22-38-41-48/22
231-509-8	10101-89-0	Trisodiumphosphate	<2,0 %	Xi R36/37/38

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.

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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**

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
111-42-2	2,2'-Iminodiethanol (OLD)	3	15		TWA (8 h)	
		-	-		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. 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) : 11,8 (conc.) 9,0 (1 %)      Test method DGF H-III 1

**Changes in the physical state**

Melting point : -15 °C  
Boiling point : >100 °C  
Flash point : ---

**Explosive properties**

not Explosive.

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**Oxidizing properties**

not oxidizing.

Density (at 20 °C) : 1,05 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.

**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.

**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**

38 Irritating to skin.

41 Risk of serious damage to eyes.

**S phrases**

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

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

**EU regulatory information**

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

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

22 Harmful if swallowed.

34 Causes burns.

36/37/38 Irritating to eyes, respiratory system and skin.

38 Irritating to skin.

41 Risk of serious damage to eyes.

48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

50 Very toxic to aquatic organisms.

**Other data**

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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.

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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.)*