

**TICKOPUR TR 13**

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

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**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Cleaning agent. Intensive cleaner for the ultrasonic bath, alkaline, demulsifying, concentrate.  
Restricted to professional users.

**1.3. Details of the supplier of the safety data sheet**

Company name: DR.H.STAMM GmbH Chemische Fabrik  
Street: Heinrichstr. 3 – 4  
Place: 12207 Berlin, GERMANY  
Telephone: +49 30 76880-280  
e-mail: info@dr-stamm.de  
Internet: www.dr-stamm.de  
Responsible Department: sdb@dr-stamm.de, Tel.: +49 30 76880-258

**1.4. Emergency telephone number:** 24-hours-emergency: Giftnotruf Berlin: +49 30 30686700 (german, english)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1B

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes severe skin burns and eye damage.

Causes serious eye damage.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

Sodium hydroxide; caustic soda

Phosphoric acid ester, sodium-salt

**Signal word:** Danger**Pictograms:****Hazard statements**

H314 Causes severe skin burns and eye damage.

**Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

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## Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
7732-18-5	Water			70-80 %
	213-791-2			
527-07-1	Sodium gluconate			<5,0 %
	208-407-7		*1	
1310-73-2	Sodium hydroxide; caustic soda			<5,0 %
	215-185-5	011-002-00-6	01-2119457892-27	
	Skin Corr. 1A; H314			
100085-64-1	Cocobetainamido Amphopropionate			<5,0 %
	309-206-8		*	
	Skin Irrit. 2, Eye Irrit. 2, Aquatic Acute 1; H315 H319 H400			
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether			<5,0 %
	203-961-6		01-2119475104-4	
	Eye Irrit. 2; H319			
111798-26-6	Phosphoric acid ester, sodium-salt			<2,0 %
	-		*	
	Skin Irrit. 2, Eye Dam. 1; H315 H318			
51981-21-6	N,N-bis(carboxylatomethyl)-L-glutamate, Sodium salt			<1,0 %
	257-573-7		01-2119493601-38	

Full text of H and EUH statements: see section 16.

## Further Information

\*Polymer

\*1 Exempted from registration (Annex IV listed)

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

## General information

Take off immediately all contaminated clothing.

## After inhalation

In case of inhalation of aerosols/spray mist/splash spots: Consult physician. Provide fresh air.

## After contact with skin

After contact with skin, wash immediately with: Water and soap. In case of skin irritation, seek medical treatment.

## After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

## After ingestion

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

## 4.2. Most important symptoms and effects, both acute and delayed

No symptoms known up to now.

## 4.3. Indication of any immediate medical attention and special treatment needed

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Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water. Foam. Atomized water.

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

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

**5.3. Advice for firefighters**

Special protective equipment for fire-fighters: Use appropriate respiratory protection. In case of fire and/or explosion do not breathe fumes.

**Additional information**

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

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

Keep away from unprotected people. Keep upwind. Wear respiratory protection when in the presence of vapour, dust, and aerosols. Guide people to safety.

**6.2. Environmental precautions**

Do not empty into drains or the aquatic environment. Prevent spreading over great surfaces (e.g. by damming or installing oil booms).

**6.3. Methods and material for containment and cleaning up**

Clean contaminated articles and floor according to the environmental legislation. Treat the assimilated material according to the section on waste disposal. Suitable absorbing material: Sand Universal binding agent. earth. Sawdust.

**6.4. Reference to other sections**

See protective measures under point 7 and 8.

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

It is recommended to organise all working processes in order to exclude the following: skin contact. Eye contact.

**Advice on protection against fire and explosion**

Product is not: Oxidizing. Flammable. Explosive.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Store only in original container.

Keep away from food, drink and animal feedingstuffs.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

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**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		STEL (15 min)	WEL
1310-73-2	Sodium hydroxide	-	-		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
1310-73-2	Sodium hydroxide; caustic soda			
	Worker DNEL, long-term	inhalation	local	1 mg/m <sup>3</sup>
	Consumer DNEL, long-term	inhalation	local	1 mg/m <sup>3</sup>
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether			
	Consumer DNEL, long-term	oral	systemic	1,25 mg/kg bw/day
	Worker DNEL, long-term	dermal	systemic	20 mg/kg bw/day

**8.2. Exposure controls****Appropriate engineering 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.

**Eye/face protection**

Wear eye/face protection.

**Hand protection**

Suitable material: PE (polyethylene). CR (polychloroprenes, Chloroprene rubber). NBR (Nitrile rubber). Butyl rubber. FKM (Fluoroelastomer (Viton)).  
penetration time (maximum wearing period): >480 min. Breakthrough times and swelling characteristics of the material must be taken into consideration.  
Recommended protective gloves brand: Camapren 722, Manufacturer: KCL, or comparable makes from other companies.

**Skin protection**

Lab apron.

**Respiratory protection**

Respiratory protection not required.

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

Physical state: liquid  
Colour: clear yellow  
Odour: characteristic

**Test method**

pH-Value (at 20 °C): 13,5 (conc.) 11,9 (1 %) DGF H-III 1

**Changes in the physical state**

Melting point: -9 °C  
Initial boiling point and boiling range: 100 °C

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Flash point: ---

**Explosive properties**

not Explosive.

**Oxidizing properties**

not oxidizing.

Density (at 20 °C):

1,09 g/cm<sup>3</sup> DIN 12791Water solubility:  
(at 20 °C)

complete miscible

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Exothermic reactions with: acid, concentrated.

**10.2. Chemical stability**

The product is chemically stable under normal ambient conditions.

**10.3. Possibility of hazardous reactions**

None, in case of proper use.

**10.4. Conditions to avoid**

Thermal decomposition can lead to the escape of irritating gases and vapors.

**10.5. Incompatible materials**

acid, concentrated. Reducing agents.

**10.6. Hazardous decomposition products**

None, in case of proper use.

**Further information**

Do not mix with other products.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1310-73-2	Sodium hydroxide; caustic soda				
	oral	LD50 2000 mg/kg	rat		
100085-64-1	Cocobetainamido Amphopropionate				
	oral	LD50 >2000 mg/kg	Ratte	OECD 401	
	dermal	LD50 >2000 mg/kg	Ratte	OECD 402	
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether				
	oral	LD50 3305 mg/kg	rat		
	dermal	LD50 2764 mg/kg	rabbit		
111798-26-6	Phosphoric acid ester, sodium-salt				
	oral	LD50 >2000 mg/kg	Ratte		
51981-21-6	N,N-bis(carboxylatomethyl)-L-glutamate, Sodium salt				
	oral	LD50 >2000 mg/kg		EC B.1	
	dermal	LD50 >2000 mg/kg		OECD 402	
	inhalative (4 h) vapour	LC50 4,2 mg/l		OECD 403	

**Irritation and corrosivity**

Causes severe skin burns and eye damage.

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

**Sensitising effects**

Based on available data, the classification criteria are not met.  
no danger of sensitization.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information****12.1. Toxicity**

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.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
1310-73-2	Sodium hydroxide; caustic soda					
	Acute fish toxicity	LC50 125 mg/l	96 h	Gambusia affinis	SDB Lieferant	
	Acute crustacea toxicity	EC50 40,4 mg/l	48 h	Ceriodaphnia	ECHA	
100085-64-1	Cocobetainamido Amphopropionate					
	Acute fish toxicity	LC50 15 mg/l	96 h	Regenbogenforelle	OECD 203	
	Acute algae toxicity	ErC50 0,15 mg/l	72 h	Selenastrum capricornutum	OECD 201	
	Acute crustacea toxicity	EC50 4,4 mg/l	48 h	Daphnia magna	OECD 202	
	Acute bacteria toxicity	(>100 mg/l)		Belebtschlamm	OECD 209	
111798-26-6	Phosphoric acid ester, sodium-salt					
	Acute fish toxicity	LC50 >10 mg/l	96 h			
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna		
51981-21-6	N,N-bis(carboxylatomethyl)-L-glutamate, Sodium salt					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Oncorhynchus mykiss	OECD 203	
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Desmodesmus subspicatus	OECD 201	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnien	OECD 202	
	Acute bacteria toxicity	--- g O2/g (--- mg/l)			OECD 209	

**12.2. 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.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
100085-64-1	Cocobetainamido Amphopropionate			
	OECD 301A	>70 %	28	
	easily biodegradable			

**12.3. Bioaccumulative potential**

On the basis of existing data about disposal/decomposition and bio-accumulation potential, long term environmental damage is unlikely.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
51981-21-6	N,N-bis(carboxylatomethyl)-L-glutamate, Sodium salt	<0

**BCF**

CAS No	Chemical name	BCF	Species	Source
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	<100		

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

not applicable

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**12.6. Other adverse effects**

No data available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****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.

**Waste disposal number of waste from residues/unused products**

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

**Waste disposal number of used product**

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

**Contaminated packaging**

Completely emptied packings can be re-cycled.

**SECTION 14: Transport information****Land transport (ADR/RID)**

<b>14.1. UN number:</b>	UN1824
<b>14.2. UN proper shipping name:</b>	SODIUM HYDROXIDE, SOLUTION
<b>14.3. Transport hazard class(es):</b>	8
<b>14.4. Packing group:</b>	III
Hazard label:	8
Classification code:	C5
Limited quantity:	5 L
Transport category:	3
Hazard No:	80
Tunnel restriction code:	E

**Marine transport (IMDG)**

<b>14.1. UN number:</b>	UN1824
<b>14.2. UN proper shipping name:</b>	SODIUM HYDROXIDE SOLUTION
<b>14.3. Transport hazard class(es):</b>	8
<b>14.4. Packing group:</b>	III
Hazard label:	8
Marine pollutant:	no
Special Provisions:	223
Limited quantity:	5 L
EmS:	F-A, S-B

**Other applicable information (marine transport)**

Excepted Quantity: E1

**Air transport (ICAO-TI/IATA-DGR)**

<b>14.1. UN number:</b>	UN1824
<b>14.2. UN proper shipping name:</b>	SODIUM HYDROXIDE SOLUTION
<b>14.3. Transport hazard class(es):</b>	8
<b>14.4. Packing group:</b>	III
Hazard label:	8
Special Provisions:	A3 A803



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Limited quantity Passenger: 1 L  
 IATA-packing instructions - Passenger: 852  
 IATA-max. quantity - Passenger: 5 L  
 IATA-packing instructions - Cargo: 856  
 IATA-max. quantity - Cargo: 60 L

**Other applicable information (air transport)**

Excepted Quantity: E1  
 Passenger-LQ: Y841

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 55: 2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether

2004/42/EC (VOC): 8,5 % (92,65 g/l)

**National regulatory information**

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

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Changes**

Data changed from previous versions: 2.1., 3.2., 8.1., 9.1., 11.1., 12.1., 12.2., 13.1., 15.1., 16.

**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method

**Relevant H and EUH statements (number and full text)**

H314 Causes severe skin burns and eye damage.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H400 Very toxic to aquatic life.

**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.

**Identified uses**

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	TICKOPUR TR 13	IS, PW	0	35	8a, 9, 13	8a	0	26	

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

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