

**STAMMOPUR DR 8**

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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**

disinfectants. Disinfection and intensive cleaning of instruments, 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 30686790 (german, english)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC**

Indications of danger: C - Corrosive, Xn - Harmful, N - Dangerous for the environment  
R phrases:  
Harmful if swallowed.  
Causes burns.  
May cause sensitisation by inhalation and skin contact.  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard categories:  
Acute toxicity: Acute Tox. 4  
Skin corrosion/irritation: Skin Corr. 1A  
Serious eye damage/eye irritation: Eye Dam. 1  
Respiratory/skin sensitization: Resp. Sens. 1  
Respiratory/skin sensitization: Skin Sens. 1  
Reproductive toxicity: Repr. 2  
Specific target organ toxicity - single exposure: STOT SE 3  
Hazardous to the aquatic environment: Aquatic Chronic 2  
Hazard Statements:  
Harmful if swallowed.  
Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause drowsiness or dizziness.  
Suspected of damaging fertility. Suspected of damaging the unborn child.  
Toxic to aquatic life with long lasting effects.

**2.2. Label elements****Hazardous components which must be listed on the label**

Butane-1,4-diol  
N,N-Bis(3-aminopropyl)dodecylamine  
Didecylmethylammoniumpropionate  
piperazine

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Signal word:

Danger

Pictograms:

GHS05-GHS07-GHS08-GHS09

**Hazard statements**

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H336	May cause drowsiness or dizziness.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.

**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.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER/doctor.

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

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#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
213-791-2	Water	20-30 %
7732-18-5		
203-786-5	Butane-1,4-diol	15-25 %
110-63-4	Xn - Harmful R22	
	Acute Tox. 4, STOT SE 3; H302 H336	
203-961-6	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	10-20 %
112-34-5	Xi - Irritant R36	
603-096-00-8	Eye Irrit. 2; H319	
219-145-8	N,N-Bis(3-aminopropyl)dodecylamine	9,9 %
2372-82-9	C - Corrosive, Xn - Harmful, N - Dangerous for the environment R22-35-48/22-50	
	Acute Tox. 3, Skin Corr. 1A, STOT RE 2, Aquatic Acute 1 (M-Factor = 1); H301 H314 H373 H400	
	Didecylmethylammoniumpropionate	8,4 %
94667-33-1	C - Corrosive, Xn - Harmful, N - Dangerous for the environment R22-34-50-53	
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H302 H314 H400 H410	
201-196-2	Lacitic acid	2-7 %
79-33-4	Xi - Irritant R38-41	
	Skin Irrit. 2, Eye Dam. 1; H315 H318	
	C16-C18 Fatty alcohol, ethoxylated	2-7 %
68920-66-1		
203-808-3	piperazine	<5 %
110-85-0	Repr. Cat. 3, C - Corrosive R62-63-34-42/43	
612-057-00-4	Repr. 2, Skin Corr. 1B, Resp. Sens. 1, Skin Sens. 1; H361fd H314 H334 H317	
200-449-4	Ethylenediaminetetraacetic acid	1-5 %
60-00-4	Xn - Harmful, Xi - Irritant R20/22-41	
	Acute Tox. 4, Eye Dam. 1; H302 H318	
01-2119486399-18		
-	Alkylpolyglycosid	1-5 %
68515-73-1	Xi - Irritant R41	
	Eye Dam. 1; H318	

Full text of R-, H- and EUH-phrases: see section 16.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### General information

Take off immediately all contaminated clothing.

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**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**

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.

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**Advice on protection against fire and explosion**

Product is not: Oxidizing. Flammable. Explosive.

**Further information on handling**

Use only in well-ventilated areas.

**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****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
110-85-0	Piperazine	-	0.1		TWA (8 h)	WEL
		-	0.3		STEL (15 min)	WEL

**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): &gt;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

pH-Value (at 20 °C):

in delivery condition: 10,0 DGF H-III 1

**Test method****Changes in the physical state**

Melting point:

-20 °C

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Initial boiling point and boiling range:

100 °C

Flash point:

non-flammable

**Explosive properties**

not Explosive.

**Oxidizing properties**

not oxidizing.

Density (at 20 °C):

1,02 g/cm<sup>3</sup> DIN 12791

Water solubility:

complete miscible

(at 20 °C)

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

None, in case of proper use.

**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.

**10.6. Hazardous decomposition products**

None, in case of proper use.

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

Acute toxicity, oral LD50: 2000-5000 mg/kg Rat.

**ATEmix calculated**

ATE (oral) 618,0 mg/kg

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CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
110-63-4	Butane-1,4-diol				
	oral	ATE	500 mg/kg		
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether				
	oral	LD50	5660 mg/kg	Rat	
	dermal	LD50	4120 mg/kg	Rabbit	
2372-82-9	N,N-Bis(3-aminopropyl)dodecylamine				
	oral	ATE	100 mg/kg		
94667-33-1	Didecylmethylammoniumpropionate				
	oral	ATE	500 mg/kg		
79-33-4	Lacitc acid				
	oral	LD50	3730 mg/kg	Ratte	
	dermal	LD50	>2000 mg/kg	Kaninchen	
68920-66-1	C16-C18 Fatty alcohol, ethoxylated				
	oral	LD50	>2000 mg/kg	Ratte	
60-00-4	Ethylenediaminetetraacetic acid				
	oral	ATE	500 mg/kg		
68515-73-1	Alkylpolyglycosid				
	oral	LD50	>5000 mg/kg		

#### Irritation and corrosivity

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

#### Sensitising effects

May cause sensitization by inhalation and skin contact.

### 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.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether					
	Acute algae toxicity	ErC50	> 100 mg/l		Scenedesmus sp.	
	Acute crustacea toxicity	EC50	> 100 mg/l	48 h	Daphnia magna	
68515-73-1	Alkylpolyglycosid					
	Acute fish toxicity	LC50	>100 mg/l	96 h		

#### 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.

#### 12.3. Bioaccumulative potential

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

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**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	0,56 (25°C)

**12.4. Mobility in soil**

No data available

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

not applicable

**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.

**Contaminated packaging**

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

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

<b>14.1. UN number:</b>	UN1903
<b>14.2. UN proper shipping name:</b>	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Polyamines, Didecylmethylammoniumpropionate, solution)
<b>14.3. Transport hazard class(es):</b>	8
<b>14.4. Packing group:</b>	III
Hazard label:	8
Classification code:	C9
Special Provisions:	274
Limited quantity:	5 L
Transport category:	3
Hazard No:	80
Tunnel restriction code:	E

**Marine transport (IMDG)**

<b>14.1. UN number:</b>	UN1903
<b>14.2. UN proper shipping name:</b>	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (POLYAMINES, DIDECYLMETHYLAMMONIUMPROPIONATE, 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, 274
Limited quantity:	5 L
EmS:	F-A, S-B

**Other applicable information (marine transport)**

Excepted Quantity: E1

**Air transport (ICAO)**

<b>14.1. UN number:</b>	UN1903
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**14.2. UN proper shipping name:** DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (POLYAMINES, DIDECYLMETHYLAMMONIUMPROPIONATE, SOLUTION)

**14.3. Transport hazard class(es):** 8

**14.4. Packing group:** III

Hazard label: 8

Special Provisions: A3 A803

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**

2004/42/EC (VOC): 35 % (357 g/l)

**National regulatory information**

Water contaminating class (D): 2 - 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, 8, 11, 12, 15, 16

**Relevant R-phrases (Number and full text)**

- 20/22 Harmful by inhalation and if swallowed.
- 22 Harmful if swallowed.
- 34 Causes burns.
- 35 Causes severe burns.
- 36 Irritating to eyes.
- 38 Irritating to skin.
- 41 Risk of serious damage to eyes.
- 42/43 May cause sensitisation by inhalation and skin contact.
- 48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- 50 Very toxic to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.
- 62 Possible risk of impaired fertility.
- 63 Possible risk of harm to the unborn child.

**Relevant H- and EUH-phrases (Number and full text)**

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H336 May cause drowsiness or dizziness.
- H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

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H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

**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.

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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.)*