

**STAMMOPUR GR**

Revision date: 22.02.2018

No: 83006

Page 1 of 8

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

STAMMOPUR GR

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

Cleaning agent. Basic instrument cleaner for the ultrasonic bath, 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**

Phosphoric acid ... %; orthophosphoric acid

C12-C14 Fatty alcohol ethoxylate

quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides

Phosphoric acid-2 ethylhexylester

**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**

## STAMMOPUR GR

Revision date: 22.02.2018

No: 83006

Page 2 of 8

## Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
7664-38-2	Phosphoric acid ... %; orthophosphoric acid			<60 %
	231-633-2	015-011-00-6	01-2119485924-24	
	Skin Corr. 1B; H314			
7732-18-5	Water			20-30 %
	213-791-2			
68439-50-9	C12-C14 Fatty alcohol ethoxylate			<10,0 %
	-		*	
	Acute Tox. 4, Eye Dam. 1, Aquatic Chronic 3; H302 H318 H412			
63449-41-2	quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides			<5,0 %
	264-151-6	612-140-00-5	01-2119965180-41	
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1; H312 H302 H314 H318 H400 H410			
12645-31-7	Phosphoric acid-2 ethylhexylester			<2,0 %
	235-741-0		01-2119896587-13	
	Skin Corr. 1B; H314			

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

## 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

Treat symptomatically.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

## Suitable extinguishing media

Water. Foam. Atomized water.

## Unsuitable extinguishing media

High power water jet.

## STAMMOPUR GR

Revision date: 22.02.2018

No: 83006

Page 3 of 8

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

Can be released in case of fire: Nitrogen oxides (NOx). Carbon dioxide (CO<sub>2</sub>). Phosphorus oxides.

**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****Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	
		-	2		STEL (15 min)	

**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
7664-38-2	Phosphoric acid ... %; orthophosphoric acid			
	Worker DNEL, long-term	inhalation	systemic	10,7 mg/m <sup>3</sup>
	Worker DNEL, long-term	inhalation	local	1 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	local	2 mg/m <sup>3</sup>

## STAMMOPUR GR

Revision date: 22.02.2018

No: 83006

Page 4 of 8

**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:	colourless - light yellow
Odour:	characteristic

		Test method
pH-Value (at 20 °C):	0,7 (conc.) 1,9 (1 %)	DGF H-III 1

**Changes in the physical state**

Melting point:	-20 °C
Initial boiling point and boiling range:	100 °C
Sublimation point:	n.a.
Softening point:	n.a.
Flash point:	non-flammable

**Explosive properties**

not Explosive.

**Oxidizing properties**

not oxidizing.

Density (at 20 °C):	1,41 g/cm <sup>3</sup>	DIN 12791
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Water solubility: (at 20 °C)	complete miscible
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**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.

## STAMMOPUR GR

Revision date: 22.02.2018

No: 83006

Page 5 of 8

**10.4. Conditions to avoid**

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

**10.5. Incompatible materials**

Alkalis (alkalis), concentrated. Alkali metals.

**10.6. Hazardous decomposition products**

None, in case of proper use.

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

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

Acute toxicity, oral LD50: 1530 mg/kg, Rat.

Acute toxicity, dermal LC50: 1,69 mg/l 1h, Rat.

Data apply to the principal component.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68439-50-9	C12-C14 Fatty alcohol ethoxylate				
	oral	LD50 >2000 mg/kg	rat		Cesio-Recommendation
63449-41-2	quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides				
	oral	LD50 795 mg/kg	rat		
	dermal	ATE 1100 mg/kg			
12645-31-7	Phosphoric acid-2 ethylhexylester				
	oral	LD50 >2000 mg/kg	Ratte		

**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.

## STAMMOPUR GR

Revision date: 22.02.2018

No: 83006

Page 6 of 8

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
7664-38-2	Phosphoric acid ... %; orthophosphoric acid					
	Acute fish toxicity	LC50	138 mg/l	96 h	Gambusia affinis	
	Acute algae toxicity	ErC50 mg/l	>100	72 h	Desmodesmus subspicatus	
	Acute crustacea toxicity	EC50 mg/l	>100	48 h	Gambia magna	
68439-50-9	C12-C14 Fatty alcohol ethoxylate					
	Algae toxicity	NOEC	<1 mg/l			
63449-41-2	quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides					
	Acute crustacea toxicity	EC50 mg/l	0,016	48 h	Daphnie	OECD 201
12645-31-7	Phosphoric acid-2 ethylhexylester					
	Acute fish toxicity	LC50 mg/l	189-355	96 h	Danio rerio	

**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			
68439-50-9	C12-C14 Fatty alcohol ethoxylate			
	OECD 301F	>60 %	28	
	easily biodegradable			
63449-41-2	quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides			
	OECD 301 D Closed-Bottle-Test	>60 %		
	easily biodegradable			
12645-31-7	Phosphoric acid-2 ethylhexylester			
	OECD 301 B	>60 %		
	easy biodegradable			
	OECD 302 B	74 %	28	
	OECD 301 D	82 %	21	

**12.3. Bioaccumulative potential**

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

**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.

## STAMMOPUR GR

Revision date: 22.02.2018

No: 83006

Page 7 of 8

**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**

180106 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (EXCEPT KITCHEN AND RESTAURANT WASTES NOT ARISING FROM IMMEDIATE HEALTH CARE); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals consisting of or containing hazardous substances; hazardous waste

**Contaminated packaging**

Completely emptied packings can be re-cycled.

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

**14.1. UN number:** UN1805  
**14.2. UN proper shipping name:** PHOSPHORIC ACID SOLUTION  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8  
Classification code: C1  
Limited quantity: 5 L  
Transport category: 3  
Hazard No: 80  
Tunnel restriction code: E

**Marine transport (IMDG)**

**14.1. UN number:** UN1805  
**14.2. UN proper shipping name:** PHOSPHORIC ACID SOLUTION  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** 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)**

**14.1. UN number:** UN1805  
**14.2. UN proper shipping name:** PHOSPHORIC ACID 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

## STAMMOPUR GR

Revision date: 22.02.2018

No: 83006

Page 8 of 8

**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): 0 % (0 g/l)

**National regulatory information**

Water contaminating class (D): 2 - clearly 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: 1.4., 2.1., 3.2., 8.1., 11. 12.1., 12.2., 13.1., 15.1., 16.

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

H302 Harmful if swallowed.  
 H312 Harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H318 Causes serious eye damage.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.  
 H412 Harmful 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.

**Identified uses**

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	STAMMOPUR GR	PW	20	35	8a, 9, 13	8b	0	96	

LCS: Life cycle stages

SU: Sectors of use

PC: Product categories

PROC: Process categories

ERC: Environmental release categories

AC: Article categories

TF: Technical functions

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