

**STAMMOPUR Z**

Revision date: 18.07.2023

No: 83011

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

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UFI: JQ00-7098-0006-41E4

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

Cleaning agent. Cement remover and denture 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****GB CLP Regulation**

Skin Corr. 1B; H314  
Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****GB CLP Regulation****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**

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
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 %
	231-791-2			
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, 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.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
7664-38-2	231-633-2	Phosphoric acid ... %; orthophosphoric acid	<60 %
	Skin Corr. 1B; H314: >= 25 - 100 Skin Irrit. 2; H315: >= 10 - < 25 Eye Irrit. 2; H319: >= 10 - < 25		
68439-50-9	-	C12-C14 Fatty alcohol ethoxylate	<10,0 %
	oral: LD50 = <2000 mg/kg		
63449-41-2	264-151-6	quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	<5,0 %
	dermal: ATE = 1100 mg/kg; oral: LD50 = 795 mg/kg		
12645-31-7	235-741-0	Phosphoric acid-2 ethylhexylester	<2,0 %
	oral: LD50 = 2500 mg/kg		

#### Labelling for contents according to Regulation (EC) No 648/2004

5 % - < 15 % non-ionic surfactants.

#### Further Information

\*Polymer

### 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.

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**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). 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****General advice**

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****Other information**

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.

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#### Advice on general occupational hygiene

- 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.

#### 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
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

##### 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>
12645-31-7	Phosphoric acid-2 ethylhexylester			
Consumer DNEL, long-term		oral	systemic	6,25 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	10,42 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	6,25 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	36,73 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	systemic	10,87 mg/m <sup>3</sup>

##### PNEC values

CAS No	Substance	Value
12645-31-7	Phosphoric acid-2 ethylhexylester	
Freshwater		0,049 mg/l
Marine water		0,0015 mg/l
Marine sediment		0,35 mg/kg
Micro-organisms in sewage treatment plants (STP)		15 mg/l

#### 8.2. Exposure controls

##### Appropriate engineering controls

Refer to chapter 7. No further action is necessary.

##### Individual protection measures, such as personal protective equipment

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#### Eye/face protection

Wear eye/face protection.

#### Hand protection

Suitable material:

PE (polyethylene). Layer thickness: 0,5 mm penetration time (maximum wearing period): >=8h

CR (polychloroprenes, Chloroprene rubber). 0,5 mm penetration time (maximum wearing period): >=8h

NBR (Nitrile rubber). 0,35 mm penetration time (maximum wearing period): >=8h

Butyl rubber. FKM (Fluoroelastomer (Viton)). 0,5 mm penetration time (maximum wearing period): >=8h

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		
			<b>Test method</b>
Melting point/freezing point:	-20 °C		
Boiling point or initial boiling point and boiling range:	100 °C		
Flash point:	non-flammable		
pH-Value (at 20 °C):	1,9 (1 %)	1,9 (1 %)	1,9 (1 %) DGF H-III 1
Water solubility: (at 20 °C)	complete miscible		
Density (at 20 °C):	1,41 g/cm <sup>3</sup>	1,41 g/cm <sup>3</sup>	DIN 12791

### 9.2. Other information

#### Information with regard to physical hazard classes

Explosive properties

not Explosive.

Oxidizing properties

not oxidizing.

#### Other safety characteristics

Sublimation point: n.a.

Softening point: n.a.

## 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.

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**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 hazard classes as defined in GB CLP Regulation****Acute toxicity**

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

**ATEmix calculated**

ATE (oral) 4117,0 mg/kg; ATE (dermal) 22000,0 mg/kg

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 2500 mg/kg	rat	MSDS	

**Irritation and corrosivity**

Causes severe skin burns and eye damage.

Causes serious 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.

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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	>100 mg/l	72 h	Desmodesmus subspicatus	
	Acute crustacea toxicity	EC50	>100 mg/l	48 h	Gambia magna	
63449-41-2	quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides					
	Acute crustacea toxicity	EC50	0,016 mg/l	48 h	Daphnie	OECD 201
12645-31-7	Phosphoric acid-2 ethylhexylester					
	Acute fish toxicity	LC50	189-355 mg/l	96 h	Danio rerio	OECD 203A

#### 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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.  
not applicable

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No data available

### SECTION 13: Disposal considerations

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#### 13.1. Waste treatment methods

##### Disposal recommendations

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

##### List of Wastes Code - 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

##### List of Wastes Code - 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)

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

#### Marine transport (IMDG)

<b>14.1. UN number or ID number:</b>	UN1805
<b>14.2. UN proper shipping name:</b>	PHOSPHORIC ACID 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 or ID number:</b>	UN1805
<b>14.2. UN proper shipping name:</b>	PHOSPHORIC ACID SOLUTION
<b>14.3. Transport hazard class(es):</b>	8
<b>14.4. Packing group:</b>	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



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#### 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 3, Entry 75

2004/42/EC (VOC): 0 % (0 g/l)

##### National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

#### 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: 1.1., 1.4., 2.1., 3.2., 7.1., 8.2., 9.1., 9.2., 11.1., 12.1., 12.2., 12.5., 12.6., 12.7., 15.1., 16.

#### Classification for mixtures and used evaluation method according to GB CLP Regulation

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

#### 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 the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

#### Identified uses

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

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.)*