

STAMMOPUR DB

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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 cleaning of burs, ready for use.

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:

Flammable liquid: Flam. Liq. 3

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Flammable liquid and vapour.

Causes skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

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

propan-2-ol; isopropyl alcohol; isopropanol

Signal word: Warning**Pictograms:****Hazard statements**

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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

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present and easy to do. Continue rinsing.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****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			60-70 %
	213-791-2			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			30,0 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
1310-73-2	Sodium hydroxide; caustic soda			<1,0 %
	215-185-5	011-002-00-6	01-2119457892-27	
	Skin Corr. 1A; H314			
7775-19-1	Sodium Metaborate, Anhydrous			<1,0 %
	231-891-6		01-2119516444-44	
	Eye Irrit. 2; H319			
68155-20-4	Alkanolamides			<0,5 %
	-		*	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT RE 2; H302 H315 H318 H373			
64-02-8	tetrasodium ethylene diamine tetraacetate			<0,5 %
	200-573-9		01-2119486762-27	
	Acute Tox. 4, Acute Tox. 4, Eye Dam. 1, STOT RE 2; H332 H302 H318 H373			
7173-51-5	didecyldimethylammonium chloride			0,1 %
	230-525-2		01-2119945987-15	
	Acute Tox. 4, Skin Corr. 1B; H302 H314			

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

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

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with plenty of 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.

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

No data available

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

Protective clothing.

Additional information

Product is not: Oxidizing.

Extinguishing materials should be selected according to the surrounding area.

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

Wear personal protection equipment.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning 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.

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**

No special technical protective measures are necessary.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

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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Occupational exposure limits

CAS No	Substance	ppm	mg/m ³	fib/cm ³	Category	Origin
67-63-0	Isopropyl alcohol	200	-		TWA (8 h)	
		400	-		STEL (15 min)	
1310-73-2	Sodium hydroxide	-	-		TWA (8 h)	
		-	2		STEL (15 min)	

Biological limit values

CAS No	Substance	Parameter	Value	Test material	Sampling time
67-63-0	2-Propanol	Acetone	40 mg/L	Urine	End of shift at end of workweek

DNEL/DMEL values

CAS No	Substance	DNEL type	Exposure route	Effect	Value
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	Consumer DNEL, long-term		oral	systemic	26 mg/kg bw/day
	Worker DNEL, long-term		dermal	systemic	888 mg/kg bw/day
	Consumer DNEL, long-term		dermal	systemic	319 mg/kg bw/day
	Worker DNEL, long-term		inhalation	systemic	500 mg/m ³
	Consumer DNEL, long-term		inhalation	systemic	89 mg/m ³
1310-73-2	Sodium hydroxide; caustic soda				
	Worker DNEL, long-term		inhalation	local	1 mg/m ³
	Consumer DNEL, long-term		inhalation	local	1 mg/m ³
64-02-8	tetrasodium ethylene diamine tetraacetate				
	Worker DNEL, acute		inhalation	local	2,5 mg/m ³
	Worker DNEL, long-term		inhalation	local	2,5 mg/m ³
	Consumer DNEL, acute		inhalation	local	1,5 mg/m ³
	Consumer DNEL, long-term		inhalation	local	1,5 mg/m ³
	Consumer DNEL, long-term		oral	systemic	25 mg/kg bw/day

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PNEC values

CAS No	Substance		Value
Environmental compartment			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol		
Freshwater			140,9 mg/l
Freshwater (intermittent releases)			140,9 mg/l
Marine water			140,9 mg/l
Freshwater sediment			552 mg/kg
Marine sediment			552 mg/kg
Soil			28 mg/kg
64-02-8	tetrasodium ethylene diamine tetraacetate		
Freshwater			2,2 mg/l
Freshwater (intermittent releases)			1,2 mg/l
Marine water			0,22 mg/l
Freshwater sediment			0,72 mg/kg

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.

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

Skin protection: not required.

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, colourless
 Odour: like: Isopropyl alcohol.

pH-Value (at 20 °C):

Test method
 13,1 DGF H-III 1

Changes in the physical state

Melting point: -15 °C
 Initial boiling point and boiling range: >100 °C
 Flash point: 28 °C

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Explosive properties

not Explosive.

Oxidizing properties

not oxidizing.

Density (at 20 °C):

0,96 g/cm³ DIN 12791

Water solubility:

complete miscible

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. light 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.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 mg/kg	4750	rat	OECD 401
	dermal	LD50 mg/kg	12800	kan	OECD 402
	inhalative (4 h) vapour	LC50	>25 mg/l	rat	OECD 403
1310-73-2	Sodium hydroxide; caustic soda				
	oral	LD50 mg/kg	2000	rat	
7775-19-1	Sodium Metaborate, Anhydrous				
	oral	LD50 mg/kg	2330	Ratte	
68155-20-4	Alkanolamides				
	oral	ATE mg/kg	500		
64-02-8	tetrasodium ethylene diamine tetraacetate				
	oral	LD50 mg/kg	1780- 2000	rat	ECHA
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1,5 mg/l		
7173-51-5	didecyldimethylammonium chloride				
	oral	LD50 mg/kg	658	rat	
	dermal	LD50 mg/kg	>2000	rat	

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effectsBased 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

May cause drowsiness or dizziness. (propan-2-ol; isopropyl alcohol; isopropanol)

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
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 >100 mg/l	96 h			
	Acute bacteria toxicity	(>100 mg/l)				
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	
64-02-8	tetrasodium ethylene diamine tetraacetate					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Lepomis macrochirus	ECHA	EPA-Guideline OPP 72-1
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna	ECHA	DIN 38412 / part 11
7173-51-5	didecyldimethylammonium chloride					
	Acute fish toxicity	LC50 0,97 mg/l	96 h	Danio rerio		
	Acute crustacea toxicity	EC50 0,06 mg/l	48 h	Daphnia magna		
	Crustacea toxicity	NOEC 0,021 mg/l	21 d	Daphnia magna		OECD 211

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			
7173-51-5	didecyldimethylammonium chloride			
	OECD 301 D	>70 %		
	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
64-02-8	tetrasodium ethylene diamine tetraacetate	-13
7173-51-5	didecyldimethylammonium chloride	not determinable

BCF

CAS No	Chemical name	BCF	Species	Source
64-02-8	tetrasodium ethylene diamine tetraacetate	1,8	Lepomis macrochirus	
7173-51-5	didecyldimethylammonium chloride	81		

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

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:	UN1987
14.2. UN proper shipping name:	ALCOHOLS, N.O.S. (Contains Isopropanol, solution)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3
Classification code:	F1
Special Provisions:	274 601
Limited quantity:	5 L
Transport category:	3
Hazard No:	30
Tunnel restriction code:	D/E

Marine transport (IMDG)

14.1. UN number:	UN1987
14.2. UN proper shipping name:	ALCOHOLS, N.O.S. (CONTAINS ISOPROPANOL, SOLUTION)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3
Special Provisions:	223, 274
Limited quantity:	5 L
EmS:	F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	UN1987
14.2. UN proper shipping name:	ALCOHOLS, N.O.S. (Contains Isopropanol, solution)
14.3. Transport hazard class(es):	3
14.4. Packing group:	III
Hazard label:	3
Special Provisions:	A3 A180
Limited quantity Passenger:	10 L

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IATA-packing instructions - Passenger:	355
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

Other applicable information (air transport)

Excepted Quantity: E1
Passenger-LQ: Y344

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): 30 % (288 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., 11.1., 12.1., 12.2., 12.3., 13.1., 15.1., 16.

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

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H336	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.

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 DB	PW	20	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

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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.)