

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 16/05/2019 Revision date: 16/05/2019 Supersedes: 28/04/2016 Version: 8.00

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : Spülboy - Gläserspültabletten

Type of product : Detergent

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

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : Cleaning agent

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Schäfer Produkte GmbH Simonshöfchen 53

42327 Wuppertal - Germany T +49.(0)202.69532-0

info@spuelboy.de - www.spuelboy.de

Email competent person sds@kft.de

1.4. Emergency telephone number

Emergency number : National Health Service (NHS)

24 hour national number consumer

England and Scotland: 111

Wales: 0845 46 47

Northern Ireland: call your local General Practitioner

Call 999 if there is a life-threatening incident.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 1 H318

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Causes serious eye damage.

2.2. Label elements

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

Hazard pictograms (CLP)

GHS05

Signal word (CLP) : Danger

Hazardous ingredients : Alcohols, C16-18, ethoxylated; Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts

Hazard statements (CLP) : H318 - Causes serious eye damage.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P280 - Wear protective gloves, eye 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. P310 - Immediately call a POISON CENTER, a doctor.

Child-resistant fastening : Not applicable
Tactile warning : Not applicable

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2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alcohols, C16-18, ethoxylated	(CAS-No.) 68439-49-6	>=2.5 - <5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	(CAS-No.) 68411-30-3 (EC-No.) 270-115-0 (REACH-no) 01-2119489428-22-xxxx	>=2.5 - <5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	(CAS-No.) 2372-82-9 (EC-No.) 219-145-8 (REACH-no) 01-2119980592-29-xxxx	>=0.1 - <1	Acute Tox. 3 (Oral), H301 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 Skin Corr. 1B, H314 STOT RE 2, H373

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : In case of doubt or persistent symptoms, consult always a physician.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : The product is not considered to be irritating to the skin. Wash skin with plenty of water. First-aid measures after eye contact

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth out with water. Do not give an unconscious person anything to drink. Call a

poison center or a doctor if you feel unwell.

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

Symptoms/effects after eye contact : Serious damage to eyes.

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 : Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam.

Unsuitable extinguishing media : No information available. Strong water jet.

5.2. Special hazards arising from the substance or mixture

Reactivity in case of fire : In case of fire, corrosive and harmful gases come free.

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Sulphur oxides. Nitrogen

oxides.

5.3. Advice for firefighters

Protection during firefighting : In case of fire and/or explosion do not breathe fumes. Do not attempt to take action without

suitable protective equipment. Self-contained breathing apparatus. Complete protective

clothing.

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Other information : Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid dust formation.

6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment.

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid sub-soil penetration. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Avoid dust formation. Take up mechanically (sweeping, shovelling) and collect in suitable

container for disposal.

Other information : Disposal must be done according to official regulations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Dust could form explosive mixtures with air.

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid

dust formation. Avoid contact with skin and eyes.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep only in original container. Store in a dry place. Store

at room temperature

Heat and ignition sources : Take precautionary measures against static discharges. Keep away from sources of

ignition.

Information about storage in one common storage

facility

: Keep away from food, drink and animal feeding stuffs.

Storage area : Protect from moisture

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	85 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	6 mg/m³
Long-term - local effects, inhalation	6 mg/m³

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Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)	
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.425 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.5 mg/m³
Long-term - systemic effects, dermal	42.5 mg/kg bodyweight/day
Long-term - local effects, inhalation	1.5 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0.268 mg/l
PNEC aqua (marine water)	0.027 mg/l
PNEC aqua (intermittent, freshwater)	0.017 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	8.1 mg/kg dwt
PNEC sediment (marine water)	6.8 mg/kg dwt
PNEC (Soil)	
PNEC soil	35 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	3.43 mg/l
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	8.96 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.789 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	40 μg/kg dw
Long-term - systemic effects, inhalation	0.118 mg/m³
Long-term - systemic effects, dermal	3.2 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.001 mg/l
PNEC aqua (marine water)	0 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3.2 mg/kg dwt
PNEC sediment (marine water)	0.13 mg/kg dwt
PNEC (Soil)	
PNEC soil	45.34 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	0.18 mg/l

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal protective equipment:

Avoid contact with skin and eyes. Immediately remove contaminated clothing or footwear.

Hand protection:

Not required for normal conditions of use. In case of repeated or prolonged contact wear gloves. Chemically resistant protective gloves. For undissolved solid substances following materials may be suitable: Nitrile rubber, Butyl rubber, Fluoroelastomer (FKM), Rubbers, Polyvinylchloride (PVC). EN 374. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

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Eye protection:

Wear closed safety glasses. EN 166. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure

Skin and body protection:

Wear suitable protective clothing. EN 340

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. No respiratory protection needed under normal use conditions. Dust production: dust mask with filter type P1. EN 143.

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Always wash hands after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid **Appearance** : tablet. Colour · Green Odour : odourless. : No data available Odour threshold : No data available pН Relative evaporation rate (butylacetate=1) : Not applicable Melting point : No data available Freezing point : Not applicable **Boiling point** : No data available Flash point : Not applicable Auto-ignition temperature : (Not self-igniting)

Decomposition temperature : No data available Flammability (solid, gas) : No data available : Not applicable Vapour pressure Relative vapour density at 20 °C : Not applicable Relative density : No data available : Soluble in water. Solubility Log Pow : No data available Viscosity, kinematic : No data available Viscosity, dynamic : Not applicable

Explosive properties : Dust may form explosive mixture in air.

Oxidising properties : No data available Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Decomposes when moist.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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Water, humidity.

10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)

Acute toxicity (dermal)

Acute toxicity (dermal)

Acute toxicity (inhalation)

Comparison of the classified (Based on available data, the classification criteria are not met)

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Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)	
LD50 oral rat	1080 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9)	
LD50 oral rat	261 mg/kg
LD50 dermal rat	> 2000 mg/kg

Alcohols, C16-18, ethoxylated (68439-49-6) LD50 oral rat < 2000 mg/kg bodyweight Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met) Serious eye damage/irritation : Causes serious eye damage. Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met) Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met) Carcinogenicity : Not classified (Based on available data, the classification criteria are not met) Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met) STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

: Not classified (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Not relevant)

SECTION 12: Ecological information

12.1. Toxicity

STOT-repeated exposure

Acute aquatic toxicity : Not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity : Not classified (Based on available data, the classification criteria are not met)

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)	
LC50 fish 1	1.67 mg/l (96 h; Lepomis macrochirus)
EC50 Daphnia 1	2.9 mg/l (48 h; Daphnia magna; (OECD 202 method))
EC50 96h algae (1)	29 mg/l (Pseudokirchneriella subcapitata)
NOEC chronic fish	1 mg/l (28 d; Lepomis macrochirus; (OECD 204 method))

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9)	
LC50 fish 1	0.431 mg/l (96h;Danio rerio; OECD 203)
EC50 Daphnia 1	0.077 mg/l (48h; Daphnia magna;(OECD 202 method))
ErC50 (algae)	0.015 mg/l (72h;Pseudokirchneriella subcapitata;(OECD 201 method))

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NOEC chronic crustacea	0.024 mg/l (21d; Daphnia magna; OECD211)
NOEC chronic algae	0.0069 mg/l (72h; Desmodesmus subspicatus; OECD 201)

12.2. Persistence and degradability

Spülboy - Gläserspültabletten	
Persistence and degradability	This surfactant complies 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.

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)	
Persistence and degradability	Readily biodegradable.
Biodegradation	85 % (29 d; (OECD 301B method))

Alcohols, C16-18, ethoxylated (68439-49-6)	
	This surfactant complies 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.
Biodegradation	> 60 % (28d;(OECD 301D method))

12.3. Bioaccumulative potential

Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)	
Log Pow	1.4 (23 °C; (OECD 123 method))
Bioaccumulative potential	Low bioaccumulation potential. (OECD 305 method).

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Spülboy - Gläserspültabletten		
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII		
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		
Component		
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (2372-82-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts (68411-30-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Disposal must be done according to official regulations. European waste catalogue. Do not

dispose of with domestic waste. Do not discharge into drains or the environment.

European List of Waste (LoW) code : 20 01 29* - detergents containing dangerous substances

HP Code : HP4 - "Irritant — skin irritation and eye damage:" waste which on application can cause

skin irritation or damage to the eye.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

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ADR	IMDG	IATA	ADN	RID	
14.1. UN number	14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.2. UN proper shipping name					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.3. Transport hazard class(es)					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.4. Packing group					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.5. Environmental hazards					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
No supplementary information	No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:		
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

Other information, restriction and prohibition regulations

: Regulation (EC) No. 648/2004 of 31 March 2004 on detergents.

Detergent Regulation : Labelling of contents:

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Component	%
non-ionic surfactants	5-<15%
anionic surfactants	<5%
LAURYLAMINE DIPROPYLENEDIAMINE	

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:					
General revision. Version/s 6.00-7.00 is/are not available in this language.					
Section	Changed item		Change	Comments	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]		Modified		
2.2	Labelling according to Regulation (EC) No. 1272/2008 [CLP]		Modified		
3.2	Composition	on	Modified		
8.1	DNEL		Added		
8.1	PNEC		Added		
8.1	substance exposure li	with national workplace mit(s)	Added		
Abbreviations and acro	nyms:				
ADN		European Agreement of	concerning the International Carriage	e of Dangerous Goods by Inland Waterways	
ADR		European Agreement of	European Agreement concerning the International Carriage of Dangerous Goods by Road		
ATE		Acute Toxicity Estimate			
BCF		Bioconcentration factor			
CLP		Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008			
DMEL		Derived Minimal Effect level			
DNEL		Derived-No Effect Level			
EC50		Median effective concentration			
IARC		International Agency for Research on Cancer			
IATA		International Air Transport Association			
IMDG		International Maritime Dangerous Goods			
LC50 Median le		Median lethal concentra	edian lethal concentration		
LD50		Median lethal dose			
LOAEL Lowest Observed A		Lowest Observed Adve	erse Effect Level		
NOAEC		No-Observed Adverse Effect Concentration			
NOAEL No-Ob		No-Observed Adverse Effect Level			
NOEC No-Observed Effe		No-Observed Effect Co	Concentration		
OECD Organisation for Ecor		omic Co-operation and Development			
PBT Persistent Bioaccumula		ative Toxic			
PNEC Predicted No-Ef		Predicted No-Effect Co	Concentration		
REACH		Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006			
RID		Regulations concerning the International Carriage of Dangerous Goods by Rail			

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SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative
Data sources	MSDSs of the suppliers. Information provided by the manufacturer

Data sources : MSDSs of the suppliers. Information provided by the manufacturer.

Department issuing data : KFT Chemieservice GmbH

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Contact person : Dr. Sonja Fischer

Full text of H- and EUH-statement	s:
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
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.
H412	Harmful to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Eye Dam. 1	H318	Calculation method

KFT SDS EU 01

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.