according to Regulation (EC) No 1907/2006



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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: 7J40-00DM-X00G-WTYT

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

Use of the substance/mixture

EuPCS: PC-CLN-12.2 Heavy duty cleaning products for stone and similar surfaces

Process categories [PROC]: 8, 10 Restricted to professional users.

1.3. Details of the supplier of the safety data sheet

Company name: BUZIL-WERK Wagner GmbH & Co. KG

Street: Fraunhofer Str. 17
Place: D-87700 Memmingen
Telephone: +49 (0) 8331 930-6

e-mail: info@buzil.de

e-mail: info@buzil.de
Contact person: info@buzil.de
Internet: www.buzil.com

1.4. Emergency telephone +49 (0) 8331 930-6 (08:00 - 16:00 h)

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Met. Corr. 1; H290 Skin Corr. 1; H314 Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Potassium hydroxide

Signal word: Danger

Pictograms:



Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water or shower.

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/doctor.





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2.3. Other hazards

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The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name				
	EC No	Index No	REACH No		
	Classification (Regulation	on (EC) No 1272/2008)	•		
112-34-5	2-(2-Butoxyethoxy)etha	nol, Diethylene glycol monobutyl ether	r	5 - < 10 %	
	203-961-6	603-096-00-8	01-2119475104-44		
	Eye Irrit. 2; H319				
122-99-6	2-Phenoxyethanol			1 - < 5 %	
	204-589-7	603-098-00-9	01-2119488943-21		
	Acute Tox. 4, Eye Dam	. 1, STOT SE 3; H302 H318 H335	•		
141-43-5	2-Aminoethanol	1 - < 5 %			
	205-483-3	603-030-00-8	01-2119486455-28		
	Acute Tox. 4, Acute To: H335				
15763-76-5	Sodium cumene sulfon	1 - < 5 %			
	239-854-6		01-2119489411-37		
	Eye Irrit. 2; H319	•	•		
1310-58-3	Potassium hydroxide	1 - < 5 %			
	215-181-3	019-002-00-8	01-2119487136-33		
	Met. Corr. 1, Acute Tox	. 4, Skin Corr. 1A; H290 H302 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	
112-34-5	203-961-6	2-(2-Butoxyethoxy)ethanol, Diethylene glycol monobutyl ether	5 - < 10 %
	inhalation: LC5	50 = >20 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	
122-99-6	204-589-7	2-Phenoxyethanol	1 - < 5 %
	dermal: LD50 =	= >2000 mg/kg; oral: ATE 1394 mg/kg	
141-43-5	205-483-3	2-Aminoethanol	1 - < 5 %
		50 = 1487 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ng/kg; oral: LD50 = 1089 mg/kg STOT SE 3; H335: >= 5 - 100	
15763-76-5	239-854-6	Sodium cumene sulfonate	1 - < 5 %
		50 = >20 mg/l (vapours); inhalation: LC50 = >5 mg/l (dusts or mists); dermal: mg/kg; oral: LD50 = >7000 mg/kg	
1310-58-3	215-181-3	Potassium hydroxide	1 - < 5 %
	1	73 mg/kg Skin Corr. 1A; H314: >= 5 - 100 Skin Corr. 1B; H314: >= 2 - < 5 15: >= 0,5 - < 2 Eye Irrit. 2; H319: >= 0,5 - < 2	

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

< 5 % phosphates, < 5 % non-ionic surfactants, perfumes.

SECTION 4: First aid measures

4.1. Description of first aid measures

according to Regulation (EC) No 1907/2006



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General information

Remove contaminated, saturated clothing immediately.

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

Do NOT induce vomiting.

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

No information 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 spray jet

alcohol resistant foam

Carbon dioxide

Extinguishing powder

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

Carbon dioxide

Carbon monoxide

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Use personal protection equipment.

Avoid contact with skin, eyes and clothes.

For non-emergency personnel

Ventilate affected area.

For emergency responders

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

(buil)

according to Regulation (EC) No 1907/2006

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For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up

Treat the recovered material as prescribed in the section on waste disposal.

Other information

Collect in closed and suitable containers for disposal.

Ventilate affected area.

6.4. Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes and clothes.

Do not mix with other chemicals.

Use personal protection equipment.

When using do not eat, drink or smoke.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Take off contaminated clothing.

Wash hands before breaks and after work.

When using do not eat, drink or smoke.

Further information on handling

No further relevant information available.

$\underline{\textbf{7.2. Conditions for safe storage, including any incompatibilities}}$

Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

Further information on storage conditions

No further relevant information available.

7.3. Specific end use(s)

Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m³	fib/cm³	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	
		15	101.2		STEL (15 min)	
141-43-5	2-Aminoethanol	1	2.5		TWA (8 h)	
		3	7.6		STEL (15 min)	



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according to Regulation (EC) No 1907/2006

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DNEL/DMEL values

CAS No	Name of agent				
DNEL type		Exposure route	Effect	Value	
15763-76-5	Sodium cumene sulfonate				
Worker DNEL,	long-term	dermal	systemic	7,6 mg/kg bw/day	
Worker DNEL, long-term		inhalation	systemic	53,6 mg/m³	
Consumer DNEL, long-term		dermal	systemic	3,8 mg/kg bw/day	
Consumer DNEL, long-term		inhalation	systemic	13,2 mg/m³	
Consumer DNEL, long-term		oral	systemic	3,8 mg/kg bw/day	

PNEC values

CAS No	Name of agent		
Environmental compartment Value		Value	
15763-76-5 Sodium cumene sulfonate			
Micro-organisms in sewage treatment plants (STP) 100 mg/l			

Additional advice on limit values

No information available.

8.2. Exposure controls





Appropriate engineering controls

No information available.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection. (EN 166)

Hand protection

Wear suitable gloves. (EN 374, Breakthrough time: >10 min.)

Suitable material: NBR (Nitrile rubber).

Thickness of the glove material >= 0,1 mm

A survey of suitable brands with detailed information on breakthrough times is available upon request.

Diluted ready-to-use solutions <=1%:

Protective gloves may be waived, if equivalent measures allowing for an increased skin stress because of wet work are implemented (e. g. application of suitable skin protecting creams).

Skin protection

Wear suitable work clothing.

Respiratory protection

Use only in well-ventilated areas.

In case of inadequate ventilation wear respiratory protection. (EN 14387, A1)

Thermal hazards

No further relevant information available.

Environmental exposure controls

Section 6: Accidental Release Measures

according to Regulation (EC) No 1907/2006



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Colour: colourless-light yellow Odour: Perfumes, fragrances

Test method

approx. 0 °C Melting point/freezing point: Boiling point or initial boiling point and approx. 100 °C

boiling range:

Flammability: not applicable Lower explosion limits: not determined Upper explosion limits: not determined Flash point: not applicable Auto-ignition temperature: not determined Decomposition temperature: not applicable pH-Value (at 20 °C): 13,0 - 14,0 Viscosity / kinematic: not determined

(at 40 °C)

Water solubility: completely miscible

(at 20 °C)

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not applicable Vapour pressure: not determined Density (at 20 °C): 1,07 g/cm³ Relative density: not determined Relative vapour density: not determined Particle characteristics: not relevant

9.2. Other information

Other safety characteristics

Viscosity / dynamic: < 10 mPa·s (50 1/s)

(at 25 °C)

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Corrosive to metals.

Exothermic reaction with: Acid

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Corrosive to metals.

Exothermic reaction with: Acid

10.4. Conditions to avoid

The product is stable under storage at normal ambient temperatures.

10.5. Incompatible materials

Corrosive to metals.

Acid

according to Regulation (EC) No 1907/2006



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10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

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

CAS No	Chemical name							
	Exposure route	Dose		Species	Source	Method		
112-34-5	2-(2-Butoxyethoxy)ethanol, Diethylene glycol monobutyl ether							
	oral	LD50 mg/kg	>2000	Rat	ATE			
	dermal	LD50 mg/kg	>2000	Rat	ATE			
	inhalation vapour	LC50	>20 mg/l	Rat	ATE			
122-99-6	2-Phenoxyethanol							
	oral	ATE 1394	mg/kg					
	dermal	LD50 mg/kg	>2000	Rabbit				
141-43-5	2-Aminoethanol							
	oral	LD50 mg/kg	1089	Rat	OECD 401			
	dermal	LD50 mg/kg	1025	Rabbit	IUCLID			
	inhalation (4 h) vapour	LC50	1487 mg/l	Rat				
	inhalation dust/mist	ATE	1,5 mg/l					
15763-76-5	Sodium cumene sulfonate							
	oral	LD50 mg/kg	>7000	Rat				
	dermal	LD50 mg/kg	>2000	Rabbit				
	inhalation vapour	LC50	>20 mg/l	Rat	ATE			
	inhalation dust/mist	LC50	>5 mg/l	Rat	ATE			
1310-58-3	Potassium hydroxide							
	oral	LD50 mg/kg	273	Rat	RTECS			

Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious eye damage.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

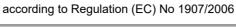
Based on available data, the classification criteria are not met.

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.





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Aspiration hazard

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

11.2. Information on other hazards

Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
112-34-5	2-(2-Butoxyethoxy)ethano	ol, Diethylene	glycol mon	obutyl et	her		
	Acute fish toxicity	LC50 mg/l	2780	96 h	Pimephales promelas (fathead minnow)		
	Acute algae toxicity	ErC50 mg/l	> 100		Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 mg/l	4950	48 h	Daphnia magna (Big water flea)		
122-99-6	2-Phenoxyethanol						
	Acute fish toxicity	LC50 460 mg/l	220 -	96 h	Leuciscus idus (golden orfe)		
	Acute algae toxicity	ErC50 mg/l	> 500	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 mg/l	> 500	48 h	Daphnia magna (Big water flea)		
141-43-5	2-Aminoethanol						
	Acute fish toxicity	LC50	170 mg/l	96 h	Carassius auratus (goldfish)	APHA 1971	
	Acute algae toxicity	ErC50	22 mg/l	72 h	Scenedesmus subspicatus	EG 92/69	
	Acute crustacea toxicity	EC50	65 mg/l	48 h	Daphnia magna (Big water flea)		
	Fish toxicity	NOEC	1,2 mg/l	30 d	Oryzias latipes (Ricefish)		
	Crustacea toxicity	NOEC mg/l	0,85	21 d	Daphnia magna (Big water flea)	OECD 211	
15763-76-5	Sodium cumene sulfonate						
	Acute fish toxicity	LC50 mg/l	>1000	96 h			
	Acute crustacea toxicity	EC50 mg/l	>1000	48 h	Daphnia magna (Big water flea)		
	Algae toxicity	NOEC	31 mg/l	4 d			
1310-58-3	Potassium hydroxide						
	Acute fish toxicity	LC50	80 mg/l	96 h	Gambusia affinis (Mosquito fish)	IUCLID	

12.2. Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.



according to Regulation (EC) No 1907/2006

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CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation	-		,	
112-34-5	2-(2-Butoxyethoxy)ethanol, Diethylene glycol monobutyl ethe	r			
	OECD 301	>60%	28		
	Readily biodegradable (according to OECD criteria).				
122-99-6	2-Phenoxyethanol				
	OECD 301	>60%	28		
	Readily biodegradable (according to OECD criteria).				
141-43-5	2-Aminoethanol				
	OECD 302A/ ISO 9887/ EEC 92/69/V, C.12	>90%	21		
	Readily biodegradable (according to OECD criteria).				
15763-76-5	Sodium cumene sulfonate				
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	>60%	28		
	Readily biodegradable (according to OECD criteria).				

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
112-34-5	2-(2-Butoxyethoxy)ethanol, Diethylene glycol monobutyl ether	0,56
122-99-6	2-Phenoxyethanol	1,16
141-43-5	2-Aminoethanol	-1,91
15763-76-5	Sodium cumene sulfonate	-1,1

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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 information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

Delivery to an approved waste disposal company.

List of Wastes Code - residues/unused products

060204 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the MFSU of bases; sodium

and potassium hydroxide; hazardous waste

List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND

PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately

collected municipal packaging waste); plastic packaging

Contaminated packaging

Non-contaminated packages may be recycled.

according to Regulation (EC) No 1907/2006



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SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: UN 1814

14.2. UN proper shipping name: POTASSIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es):814.4. Packing group:IIIHazard label:8



Classification code: C5
Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 80
Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1814

14.2. UN proper shipping name: POTASSIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es):814.4. Packing group:IIIHazard label:8



Classification code: C5
Limited quantity: 5 L
Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 1814

14.2. UN proper shipping name: POTASSIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es):814.4. Packing group:IIIHazard label:8



Marine pollutant:
Special Provisions:
223
Limited quantity:
5 L
Excepted quantity:
EmS:
F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1814

14.2. UN proper shipping name: POTASSIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es):814.4. Packing group:IIIHazard label:8

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Special Provisions:

Limited quantity Passenger:

Passenger LQ:

Excepted quantity:

A3 A803

1 L

Y841

Excepted quantity:

E1

IATA-packing instructions - Passenger:852IATA-max. quantity - Passenger:5 LIATA-packing instructions - Cargo:856IATA-max. quantity - Cargo:60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special measures are necessary.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

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 55, Entry 75

2010/75/EU (VOC): 3,9 %

Additional information

Regulation (EC) No. 648/2004 [Detergents regulation]

National regulatory information

Water hazard class (D): 1 - slightly 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

This data sheet contains changes from the previous version in section(s): 1,2,7,9,10,15.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.



according to Regulation (EC) No 1907/2006

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PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC 4: Chemical production where opportunity for exposure arises

PROC 7: Industrial spraying

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 13: Treatment of articles by dipping and pouring

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection

Relevant H and EUH statements (number and full text)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Further Information

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]: 9 (1)

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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