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

1.1. Product identifier

BUCASAN® TRENDY

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

Use of the substance/mixture

EuPCS: PC-CLN-11.1 Bathroom cleaners, PC-CLN-11.2 Toilet Cleaners
Process categories [PROC]: 8, 10

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	Telefax: +49 (0) 8331 930-880
e-mail:	info@buzil.de	
Contact person:	info@buzil.de	
Internet:	www.buzil.com	

1.4. Emergency telephone number:

+49 (0) 8331 930-6 (08:00 - 16:00 h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Substance or mixture corrosive to metals: Met. Corr. 1
Skin corrosion/irritation: Skin Corr. 1C
Hazard Statements:
May be corrosive to metals.
Causes severe skin burns and eye damage.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

sulfamic acid, sulphamic acid, sulphamidic acid

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.

2.3. Other hazards

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			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
5329-14-6	sulfamic acid, sulphamic acid, sulphamidic acid			10 - < 15 %
	226-218-8	016-026-00-0	01-2119488633-28	
	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H315 H319 H412			
26183-52-8	fatty alcohol polyethoxilate			1 - < 5 %
	Acute Tox. 4, Eye Dam. 1; H302 H318			
34590-94-8	1-(methoxymethylethoxy)-propanol(2)			1 - < 5 %
	252-104-2		01-2119450011-60	
68424-85-1	alkyldimethylbenzylammonium chloride			< 1 %
	270-325-2			
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H400 H410			

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		
5329-14-6	226-218-8	sulfamic acid, sulphamic acid, sulphamidic acid	10 - < 15 %
	inhalation: LC50 = >5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg		
26183-52-8		fatty alcohol polyethoxilate	1 - < 5 %
	inhalation: LC50 = >5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = 500 mg/kg Eye Dam. 1; H318: >= 20 - 100		
34590-94-8	252-104-2	1-(methoxymethylethoxy)-propanol(2)	1 - < 5 %
	inhalation: LC50 = >20 mg/l (vapours); dermal: LD50 = 9510 mg/kg; oral: LD50 = >5000 mg/kg		
68424-85-1	270-325-2	alkyldimethylbenzylammonium chloride	< 1 %
	inhalation: LC50 = >5 mg/l (dusts or mists); dermal: LD50 = 3340 mg/kg; oral: LD50 = 344 mg/kg M akut; H400: M=10 M chron.; H410: M=1		

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

< 5 % non-ionic surfactants, < 5 % cationic surfactants, perfumes (Benzyl salicylate, Hexyl cinnamal).

SECTION 4: First aid measures

4.1. Description of first aid measures

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 measures

Use personal protection equipment.
Avoid contact with skin, eyes and clothes.

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

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal .

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.

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.

7.3. Specific end use(s)

There are no data available on the mixture itself.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
34590-94-8	(2-methoxymethylethoxy) propanol	50	308		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
34590-94-8	1-(methoxymethylethoxy)-propanol(2)		
Worker DNEL, long-term	dermal	systemic	15 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	37,2 mg/m³
Consumer DNEL, long-term	dermal	systemic	65 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	310 mg/m³

PNEC values

CAS No	Substance
Environmental compartment	Value
34590-94-8	1-(methoxymethylethoxy)-propanol(2)
Freshwater	19 mg/l
Marine water	1,9 mg/l
Freshwater sediment	70,2 mg/kg
Marine sediment	7,02 mg/kg
Soil	2,74 mg/kg

8.2. Exposure controls

Protective and hygiene measures

Take off contaminated clothing.
Wash hands before breaks and after work.
When using do not eat, drink or smoke.

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

Usually no personal respirative protection necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	red
Odour:	Perfumes, fragrances

		Test method
pH-Value (at 20 °C):	0,2 - 1,0	
Changes in the physical state		
Melting point:	approx. 0 °C	
Boiling point or initial boiling point and boiling range:	approx. 100 °C	
Flash point:	not applicable	
Flammability		
Solid/liquid:	not applicable	
Gas:	not applicable	
Lower explosion limits:	not determined	
Upper explosion limits:	not determined	
Self-ignition temperature		
Solid:	not applicable	
Gas:	not applicable	
Decomposition temperature:	not determined	
Oxidizing properties		
Not oxidising.		
Vapour pressure:	not determined	
Density (at 25 °C):	1,08 g/cm³	
Water solubility:	completely miscible	
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:	not determined	
Viscosity / dynamic: (at 25 °C)	<10 mPa·s	(50 1/s)
Relative vapour density:	not determined	
Evaporation rate:	not determined	

9.2. Other information

Solid content:	not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

Exothermic reaction with: Alkali (lye)

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Alkali (lye)

10.4. Conditions to avoid

The product is stable under storage at normal ambient temperatures.

10.5. Incompatible materials

Alkali (lye)

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

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
5329-14-6	sulfamic acid, sulphamic acid, sulphamidic acid				
	oral	LD50 >2000 mg/kg	Rat	ATE	
	dermal	LD50 >2000 mg/kg	Rat	ATE	
	inhalation aerosol	LC50 >5 mg/l	Rat	ATE	
26183-52-8	fatty alcohol polyethoxilate				
	oral	LD50 500 mg/kg	Rat	ATE	
	dermal	LD50 >2000 mg/kg	Rat	ATE	
	inhalation aerosol	LC50 >5 mg/l	Rat	ATE	
34590-94-8	1-(methoxymethylethoxy)-propanol(2)				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 9510 mg/kg	Rabbit		
	inhalation vapour	LC50 >20 mg/l	Rat	ATE	
68424-85-1	alkyldimethylbenzylammonium chloride				
	oral	LD50 344 mg/kg	Rat		
	dermal	LD50 3340 mg/kg	Rabbit		
	inhalation aerosol	LC50 >5 mg/l	Rat	ATE	

Irritation and corrosivity

Causes severe skin burns and 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.

Aspiration hazard

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

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
5329-14-6	sulfamic acid, sulphamic acid, sulphamidic acid						
	Acute fish toxicity	LC50 mg/l	70,3	96 h	Pimephales promelas (fathead minnow)		
26183-52-8	fatty alcohol polyethoxilate						
	Acute algae toxicity	ErC50 mg/l	19,6	72 h		OECD 201	
	Acute crustacea toxicity	EC50 mg/l	15,0	48 h	Daphnia magna (Big water flea)	OECD 202	
34590-94-8	1-(methoxymethylethoxy)-propanol(2)						
	Acute fish toxicity	LC50 mg/l	>1000	96 h	Poecilia reticulata (Guppy)		
	Acute algae toxicity	ErC50 mg/l	>969	96 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 mg/l	1919	48 h	Daphnia magna (Big water flea)		
	Crustacea toxicity	NOEC mg/l	>0,5	22 d	Daphnia magna (Big water flea)		
68424-85-1	alkyldimethylbenzylammonium chloride						
	Acute fish toxicity	LC50 mg/l	0,28	96 h	Pimephales promelas (fathead minnow)		
	Acute algae toxicity	ErC50 mg/l	0,049		Pseudokirchneriella subcapitata	OECD 201	
	Acute crustacea toxicity	EC50 mg/l	0,016	48 h	Daphnia magna (Big water flea)	OECD 202	

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.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
26183-52-8	fatty alcohol polyethoxilate			
	OECD 301	>60%	28	
	Readily biodegradable (according to OECD criteria).			
34590-94-8	1-(methoxymethylethoxy)-propanol(2)			
	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	75%	28	
	Readily biodegradable (according to OECD criteria).			
68424-85-1	alkyldimethylbenzylammonium chloride			
	OECD 301	>70%	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
34590-94-8	1-(methoxymethylethoxy)-propanol(2)	1,01
68424-85-1	alkyldimethylbenzylammonium chloride	<3

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.

12.7. 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

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; 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.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 3264

14.2. UN proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulphamic acid)

14.3. Transport hazard class(es): 8

14.4. Packing group: III

Hazard label:	8
Classification code:	C1
Special Provisions:	274
Limited quantity:	5 L
Transport category:	3
Hazard No:	80
Tunnel restriction code:	E

Inland waterways transport (ADN)

14.1. UN number:	UN 3264
14.2. UN proper shipping name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Sulphamic acid)
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8
Classification code:	C1
Special Provisions:	274
Limited quantity:	5 L

Marine transport (IMDG)

14.1. UN number:	UN 3264
14.2. UN proper shipping name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulfamic acid)
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8
Marine pollutant:	no
Special Provisions:	223, 274
Limited quantity:	5 L
EmS:	F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	UN 3264
14.2. UN proper shipping name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulfamic acid)
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

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

2010/75/EU (VOC): <30%

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): 1,2,3,4,7,8,9,13,16.

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.
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.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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

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.)