

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GASTRO PUR

Revision date: 02.02.2018

Product code: 70119_CLP

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

GASTRO PUR

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

Cleaning agent, alkaline
Reserved for industrial and professional use.

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	DR.SCHNELL GmbH & Co. KGaA	
Street:	Taunusstraße 19	
Place:	D-80807 München	
Telephone:	+49/89/350608-0	Telefax: +49/89/350608-47
e-mail:	info@dr-schnell.de	
Contact person:	Josef Feuerstein	Telephone: +49/89/350608-46
e-mail:	sdb@dr-schnell.de	
Internet:	www.dr-schnell.de	
Responsible Department:	Labor	

1.4. Emergency telephone number:

Emergency CONTACT (24-Hour-Number) international:
GBK GmbH +49 (0) 61 32 - 8 44 63

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:
Skin corrosion/irritation: Skin Corr. 1C
Serious eye damage/eye irritation: Eye Dam. 1
Hazard Statements:
Causes severe skin burns and eye damage.

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

Sulfonic acids, C14-17-sec-alkane, sodium salts
isotridecanol, ethoxylated
caustic potash, potassium hydroxide
Silicic acid, sodium salt

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

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- 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 components in this formulation do not meet the criteria for classification as PBT or vPvB.
High pH value can damage water.

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]			
112-34-5	2-(2-Butoxyethoxy)ethanol			5 - < 10 %
	203-961-6	603-096-00-8		
	Eye Irrit. 2; H319			
97489-15-1	Sulfonic acids, C14-17-sec-alkane, sodium salts			1 - < 5 %
	307-055-2		01-2119489924-20	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H302 H315 H318 H412			
69011-36-5	isotridecanol, ethoxylated			1 - < 5 %
	931-138-8			
	Acute Tox. 4, Eye Dam. 1; H302 H318			
69011-36-5	Ethoxylated isotridecanol (2.5-5 EO)			1 - < 5 %
	931-138-8			
	Eye Dam. 1, Aquatic Chronic 3; H318 H412			
15763-76-5	Sodium cumenesulphonate			1 - < 5 %
	239-854-6		01-2119489411-37	
	Eye Irrit. 2; H319			
1310-58-3	caustic potash, 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			
1344-09-8	Silicic acid, sodium salt			1 - < 5 %
	215-687-4		01-2119448725-31	
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335			

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

Further Information

Regulation (EC) No. 648/2004 (Detergents regulation)
5 % - < 15 % nonionic surfactants
< 5 % phosphonates, anionic surfactants
perfumes

SECTION 4: First aid measures

4.1. Description of first aid measures

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After inhalation

Move victim out of danger zone. Provide fresh air.
In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.
Remove contact lenses, if present and easy to do. Continue rinsing.
Call a physician immediately. To be accompanied by MSDS.

After ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting. Call a physician immediately.

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

If applicable, delayed symptoms and effects can be found in section 11. , i.e. under section 4.1 for absorption methods.

4.3. Indication of any immediate medical attention and special treatment needed

No special measures are necessary.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water spray. / Foam. / Carbon dioxide (CO₂). / Dry extinguishing powder.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
Nitrogen oxides (NO_x).
Sulfur oxides.
Decomposition compounds
Gas/vapours, corrosive.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.
Alkali-resistant protective clothing (EN 13034)
If necessary Full protective suit.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Dispose of waste according to applicable legislation.

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

Avoid contact with eyes and skin.
If necessary Caution, slippery

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not allow to enter into surface water or drains.
Leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

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 recovered material as prescribed in the section on waste disposal.
Can be diluted with water

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Suitable material for diluting or neutralizing: acid.

Neutralisation possible by an expert.

6.4. Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

In addition to the information contained in this section, relevant information can also be found in sections 8 and 6.1.

Further information on handling

Observe instructions for use.

Notice the directions for use on the label.

Working methods should be applied according to operating instructions.

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and after work.

Keep away from food, drink and animal feedingstuffs.

Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

Do not use materials not resistant to alkali.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		STEL (15 min)	WEL
1310-58-3	Potassium hydroxide	-	-		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

8.2. Exposure controls**Appropriate engineering controls**

Provide adequate ventilation.

This can be achieved by local exhaust ventilation or general ventilation.

When exceeding the occupational exposure limit (OEL):

Use appropriate respiratory protection.

Applies only if maximum permissible exposure values are listed here.

Protective and hygiene measures

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and after work.

Keep away from food, drink and animal feedingstuffs.

Contaminated work clothing should not be allowed out of the workplace.

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Eye/face protection

Tightly sealed safety glasses. (EN 166)

Hand protection

Protective gloves made of natural latex (EN 374), Permeation time (penetration time) in minutes: 480

Protective gloves of nitrile (EN 374), Permeation time (penetration time) in minutes: 480

Recommendation: Manufacturer: KCL GmbH, D-36124 Eichenzell, E-mail: vertrieb@kcl.de

Specification No.: 706 Lapren, 730 Camatril Velours

No tests have been carried out.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Alkali-resistant protective clothing (EN 13034)

Respiratory protection

When exceeding the occupational exposure limit (OEL): Filter A (EN 14387), brown

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	yellow-orange
Odour:	characteristic
pH-Value:	~13,5

Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	> 100 °C

Flammability

Solid:	No.
Gas:	No.

Explosive properties

not determined

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

Auto-ignition temperature

Solid:	not determined
Gas:	not determined

Oxidizing properties

not determined

Vapour pressure:	not determined
Vapour pressure:	not determined
Density:	1,04 g/cm ³
Bulk density:	not determined
Water solubility:	easily soluble.

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Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Vapour density: not determined

Solvent content: not determined

9.2. Other information

Mixability: not determined

Fat solubility (g/l): not determined

Conductivity: not determined

Surface tension: not determined

SECTION 10: Stability and reactivity**10.1. Reactivity**

See also Subsection 10.4 to 10.6.

The product has not been tested.

10.2. Chemical stability

See also Subsection 10.4 to 10.6.

10.3. Possibility of hazardous reactions

See also Subsection 10.4 to 10.6.

10.4. Conditions to avoid

See also section 7.

Heat, open flames, ignition sources

10.5. Incompatible materials

Contact with strong acids leads to strong reaction and heat production

Possibly extensive generation of hydrogen on contact with amphoteric metals (e.g. aluminium, lead, zinc) (explosive hazard!).

Avoid contact with materials that are not alkali resistant.

10.6. Hazardous decomposition products

See also Subsection 10.4 to 10.6.

See also section 5.2.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

Possibly more information on health effects, see Section 2.1 (classification).

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
112-34-5	2-(2-Butoxyethoxy)ethanol				
	oral	LD50 mg/kg	5660	Rat	
	dermal	LD50 mg/kg	4120	Rabbit	
97489-15-1	Sulfonic acids, C14-17-sec-alkane, sodium salts				
	oral	LD50 mg/kg	>2000	Rat	
	dermal	LD50 mg/kg	>2000	Mouse.	
69011-36-5	isotridecanol, ethoxylated				
	oral	LD50 mg/kg	>300- 2000	Rat	
	dermal	LD50 mg/kg	>2000	Rabbit	
69011-36-5	Ethoxylated isotridecanol (2.5-5 EO)				
	oral	LD50 mg/kg	>2000	Rat	
	dermal	LD50 mg/kg	>2000	Rabbit	
15763-76-5	Sodium cumenesulphonate				
	oral	LD50 mg/kg	>2000	Rat	
	dermal	LD50 mg/kg	>2000	Rabbit	
	inhalative (4 h) vapour	LC50	>5 mg/l	Rat	
1310-58-3	caustic potash, potassium hydroxide				
	oral	LD50 mg/kg	273	Ratte	RTECS
1344-09-8	Silicic acid, sodium salt				
	oral	LD50 mg/kg	>2000	Rat	
	dermal	LD50	- mg/kg		No data available
	inhalative vapour	LC50	- mg/l		No data available

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.

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SECTION 12: Ecological information

12.1. Toxicity

See section 2.1 (rating) for potentially additional information concerning environmental effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
112-34-5	2-(2-Butoxyethoxy)ethanol					
	Acute algae toxicity	ErC50 > 100 mg/l		Scenedesmus sp.		
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna		
97489-15-1	Sulfonic acids, C14-17-sec-alkane, sodium salts					
	Acute fish toxicity	LC50 1-10 mg/l	96 h	Brachydanio rerio (zebra-fish)		
	Acute algae toxicity	ErC50 >61 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 9,81 mg/l	48 h	Daphnia magna		
69011-36-5	isotridecanol, ethoxylated					
	Acute fish toxicity	LC50 >1-10 mg/l	96 h	Cyprinus carpio (Common Carp)		
	Acute algae toxicity	ErC50 >1-10 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 >1-10 mg/l	48 h	Daphnia magna		
69011-36-5	Ethoxylated isotridecanol (2.5-5 EO)					
	Acute fish toxicity	LC50 >1-10 mg/l	96 h	Cyprinus carpio (Common Carp)		
	Acute algae toxicity	ErC50 >1-10 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 >1-10 mg/l	48 h	Daphnia magna		
15763-76-5	Sodium cumenesulphonate					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Cyprinus carpio (Common Carp)		
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Grünalge	Desmodesmus subspicatus	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna		
1310-58-3	caustic potash, potassium hydroxide					
	Acute fish toxicity	LC50 80 mg/l	96 h	Gambusia affinis	IUCLID	
1344-09-8	Silicic acid, sodium salt					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Brachydanio rerio (zebra-fish)		

12.2. Persistence and degradability

The surfactant contained in this mixture 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.

12.3. Bioaccumulative potential

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No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
112-34-5	2-(2-Butoxyethoxy)ethanol	0,56 (25°C)

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

For example: designated incinerator

E.g. dispose at suitable refuse site.

Neutralisation possible by an expert.

Waste disposal number of waste from residues/unused products

070101 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; aqueous washing liquids and mother liquors; hazardous waste

Waste disposal number of used product

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 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

Dispose of waste according to applicable legislation.

For example: designated incinerator

Completely emptied packages can be recycled.

Dispose using dual system.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 1814
14.2. UN proper shipping name:	POTASSIUM HYDROXIDE SOLUTION
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8
Classification code:	C5
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	80
Tunnel restriction code:	E

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Inland waterways transport (ADN)

<u>14.1. UN number:</u>	UN 1814
<u>14.2. UN proper shipping name:</u>	POTASSIUM HYDROXIDE SOLUTION
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	III
Hazard label:	8
Classification code:	C5
Limited quantity:	5 L
Excepted quantity:	E1

Marine transport (IMDG)

<u>14.1. UN number:</u>	UN 1814
<u>14.2. UN proper shipping name:</u>	POTASSIUM HYDROXIDE SOLUTION
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	III
Hazard label:	8
Special Provisions:	223
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number:</u>	UN 1814
<u>14.2. UN proper shipping name:</u>	POTASSIUM HYDROXIDE SOLUTION
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	III
Hazard label:	8
Special Provisions:	A3 A803
Limited quantity Passenger:	1 L
Passenger LQ:	Y841
Excepted quantity:	E1
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

Unless specified otherwise, general measures for safe transport must be followed.

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

Not applicable, as freight is carried as general cargo, not in bulk.

Minimum quantity regulations are not observed here.

Not a hazardous material with respect to these transportation regulations.

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 55: 2-(2-Butoxyethoxy)ethanol

Additional information

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For classification and labelling, see section 2.
Observe trade association/occupational health regulations.
Observe Chemical Ordinance, ChemO
Observe Chemical Risk Reduction Ordinance, ORRChem
Observe Air Quality Control regulation

National regulatory information

Water contaminating class (D): 2 - clearly water contaminating

SECTION 16: Other information**Changes**

Revised sections: 1, 16

The safety rules given here apply in part only to large containers (e.g. 180 litre barrels) not small containers (e.g. 1 litre bottles).

Abbreviations and acronyms

vPvB = very persistent very bioaccumulative

PBT = persistent bioaccumulative toxic

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.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Further Information

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.)