

## Safety Data Sheet

according to UK REACH Regulation

### HYGIENE KLEIN WC-/Sanitärreiniger Hochkonzentrat-Gel

Revision date: 13.09.2022

Product code: 1519010

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

##### 1.1. Product identifier

HYGIENE KLEIN WC-/Sanitärreiniger Hochkonzentrat-Gel

UFI: K740-Y0KJ-900H-71T0

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

###### Use of the substance/mixture

Washing and cleaning products (including solvent based products)

Reserved for industrial and professional use.

##### 1.3. Details of the supplier of the safety data sheet

###### Manufacturer

Company name: ELEFANT chemische Produkte GmbH

Street: Essener Straße 5

Place: D-71332 Waiblingen

Telephone: +49 (0)7151 96577-0

Telefax: +49 (0)7151 96577-10

e-mail: info@elefant-gmbh.de

Contact person: SDB-Beauftragter

Internet: www.elefant-gmbh.de

###### Supplier

Company name: Hygiene Klein André Klein e.K.

Street: Holderbuschweg 45

Place: D-74193 Schwaigern-Massenbach

Telephone: +49 (0)7138 97410

Telefax: +49 (0)7138 97412-0

e-mail: info@hygiene-klein.de

Internet: www.hygiene-klein.de

##### 1.4. Emergency telephone number:

+49 (0)7138 97410

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### GB CLP Regulation

Met. Corr. 1; H290

Skin Corr. 1; H314

Eye Dam. 1; H318

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

##### 2.2. Label elements

###### GB CLP Regulation

###### Hazard components for labelling

Phosphoric acid

Sulphamidic acid; sulphamic acid; sulfamic acid

Bis(2-hydroxyethyl) Oleyl amine

Signal word: Danger

Pictograms:



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**Hazard statements**

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
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	
	Classification (GB CLP Regulation)			
7664-38-2	Phosphoric acid			1 - < 5 %
	231-633-2	015-011-00-6	01-2119485924-24	
	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B; H290 H302 H314			
5949-29-1	Citric acid monohydrate			1 - < 5 %
	201-069-1		01-2119457026-42	
	Eye Irrit. 2; H319			
5329-14-6	Sulphamidic acid; sulphamic acid; sulfamic acid			1 - < 5 %
	226-218-8	016-026-00-0	01-2119488633-28	
	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3; H315 H319 H412			
25307-17-9	Bis(2-hydroxyethyl) Oleyl amine			1 - < 2,5 %
	246-807-3		01-2119510876-35	
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H318 H400 H410			

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

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**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
7664-38-2	231-633-2	Phosphoric acid	1 - < 5 %
		inhalation: LC50 = 850 mg/l (vapours); dermal: LD50 = 2740 mg/kg; oral: LD50 = 1530 mg/kg Skin Corr. 1B; H314: >= 25 - 100 Skin Irrit. 2; H315: >= 10 - < 25 Eye Irrit. 2; H319: >= 10 - < 25	
5949-29-1	201-069-1	Citric acid monohydrate	1 - < 5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 11700 mg/kg	
5329-14-6	226-218-8	Sulphamidic acid; sulphamic acid; sulfamic acid	1 - < 5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 2065 - 2140 mg/kg	
25307-17-9	246-807-3	Bis(2-hydroxyethyl) Oleyl amine	1 - < 2,5 %
		oral: LD50 = > 300 - 2000 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1	

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

< 5 % non-ionic surfactants, perfumes (Butylphenyl methylpropional, Amyl cinnamal, Hexyl cinnamal).

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

**After inhalation**

Provide fresh air. Medical treatment necessary.

**After contact with skin**

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

Take off immediately all contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

**After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting.

Adverse human health effects and symptoms: Gastric perforation.

Call a physician immediately. Do not allow a neutralisation agent to be drunk.

**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**

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

**5.2. Special hazards arising from the substance or mixture**

Non-flammable.

In case of fire may be liberated: Phosphorus oxides (P<sub>x</sub>O<sub>y</sub>), Sulphur oxides (S<sub>x</sub>O<sub>y</sub>), Ammonia (NH<sub>3</sub>) (NH<sub>3</sub>),

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>).

Do not breathe mist/vapours/spray. Corrosive to the respiratory tract.

**5.3. Advice for firefighters**

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Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

#### Additional information

Suppress gases/vapours/mists with water spray jet. 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

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray.  
Avoid contact with skin, eyes and clothes. Use personal protection equipment.  
Special danger of slipping by leaking/spilling product.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 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

Safe handling: see section 7  
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

If handled uncovered, arrangements with local exhaust ventilation have to be used.  
Do not breathe gas/fumes/vapour/spray.  
Observe instructions for use.  
Do not mix with other chemicals.

##### Advice on protection against fire and explosion

No special fire protection measures are necessary.

##### Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.  
Wash hands and face before breaks and after work and take a shower if necessary.  
When using do not eat, drink, smoke, sniff.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Unsuitable container/equipment material:  
Metal.

##### Hints on joint storage

Keep away from: Base, Peroxides, Oxidizing agent.  
Keep away from food, drink and animal feed.

##### Further information on storage conditions

Protect against frost.

#### 7.3. Specific end use(s)

Washing and cleaning products (including solvent based products)  
Reserved for industrial and professional use.

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**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
7664-38-2	Phosphoric acid			
Worker DNEL, long-term		inhalation	systemic	10,7 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	1 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	4,57 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	0,36 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	0,1 mg/kg bw/day
Worker DNEL, acute		inhalation	local	2 mg/m <sup>3</sup>
5329-14-6	Sulphamic acid; sulphamic acid; sulfamic acid			
Worker DNEL, long-term		inhalation	systemic	70,5 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	10 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	17,4 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	5 mg/kg bw/day
25307-17-9	Bis(2-hydroxyethyl) Oleyl amine			
Worker DNEL, long-term		dermal	systemic	0,25 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	1,76 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	0,176 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,621 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	0,179 mg/kg bw/day

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**PNEC values**

CAS No	Substance	Value
Environmental compartment		
5949-29-1	Citric acid monohydrate	
Freshwater		0,44 mg/l
Marine water		0,044 mg/l
Freshwater sediment		7,52 mg/kg
Marine sediment		0,752 mg/kg
Micro-organisms in sewage treatment plants (STP)		1094 mg/l
Soil		29,2 mg/kg
5329-14-6	Sulphamidic acid; sulphamic acid; sulfamic acid	
Freshwater		1,8 mg/l
Freshwater (intermittent releases)		0,048 mg/l
Marine water		0,18 mg/l
Freshwater sediment		8,36 mg/kg
Marine sediment		0,840 mg/kg
Micro-organisms in sewage treatment plants (STP)		20 mg/l
Soil		5 mg/kg
25307-17-9	Bis(2-hydroxyethyl) Oleyl amine	
Freshwater		0,000214 mg/l
Marine water		0,000021 mg/l
Freshwater sediment		1,692 mg/kg
Marine sediment		0,1692 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,5 mg/l
Soil		5 mg/kg

**8.2. Exposure controls**



**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used.  
Do not breathe gas/fumes/vapour/spray.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Suitable eye protection: goggles. (DIN EN 166).

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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.

Suitable gloves type Material, acid-resistant (EN ISO 374, Category 3).

Suitable material: CR (polychloroprene, chloroprene rubber) (0,5 mm), NBR (Nitrile rubber) (0,35 mm), Butyl caoutchouc (butyl rubber) (0,5 mm).

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Breakthrough time: > 480 min.

**Skin protection**

Use of protective clothing.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state: liquid (viscous)  
 Colour: red  
 Odour: characteristic

**Test method**

Melting point/freezing point: not determined  
 Boiling point or initial boiling point and boiling range: not determined  
 Flammability: not applicable  
 Lower explosion limits: not applicable  
 Upper explosion limits: not determined  
 Flash point: not determined  
 Auto-ignition temperature: not determined  
 Decomposition temperature: not determined  
 pH-Value (at 20 °C): 1,3 - 1,6  
 Water solubility: easily soluble  
 Solubility in other solvents: not determined  
 Partition coefficient n-octanol/water: not determined  
 Vapour pressure: not determined  
 Density (at 20 °C): 1,050 - 1,060 g/cm<sup>3</sup>  
 Relative vapour density: not determined

**9.2. Other information**

**Information with regard to physical hazard classes**

Explosive properties

The product is not: Explosive.

Sustaining combustion:

Not sustaining combustion

Oxidizing properties

The product is not: oxidising.

**Other safety characteristics**

Evaporation rate: not determined

Solid content: not determined

Viscosity / dynamic: 700 - 900 mPa·s  
 (at 20 °C)

Flow time: 60 - 80 s 4 DIN 53211  
 (at 20 °C)

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Corrosive to metals. Possibility of hazardous reactions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

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**10.3. Possibility of hazardous reactions**

Exothermic reaction with: Base, Peroxides, Oxidizing agent.  
Do not mix with other chemicals.

**10.4. Conditions to avoid**

frost.

**10.5. Incompatible materials**

Metal. Keep away from: Base, Oxidizing agent, Peroxides.

**10.6. Hazardous decomposition products**

In case of fire may be liberated: Phosphorus oxides (PxOy), Sulphur oxides (SxOy), Ammonia (NH3) (NH3), Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2).

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in GB CLP Regulation**

**Acute toxicity**

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7664-38-2	Phosphoric acid				
	oral	LD50 1530 mg/kg	Rat	GESTIS	
	dermal	LD50 2740 mg/kg	Rabbit	GESTIS	
	inhalation vapour	LC50 850 mg/l	Rat	MSDS	
5949-29-1	Citric acid monohydrate				
	oral	LD50 11700 mg/kg	Rat	MSDS	OECD 401
	dermal	LD50 > 2000 mg/kg	Rat	MSDS	
5329-14-6	Sulphamidic acid; sulphamic acid; sulfamic acid				
	oral	LD50 2065 - 2140 mg/kg	Rat	ECHA	
	dermal	LD50 > 2000 mg/kg	Rat	MSDS	OECD 402
25307-17-9	Bis(2-hydroxyethyl) Oleyl amine				
	oral	LD50 > 300 - 2000 mg/kg	Rat	MSDS	OECD 401

**Irritation and corrosivity**

Causes severe skin burns and eye damage. (On basis of test data)  
Causes serious eye damage. (On basis of test data)

**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**

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

**11.2. Information on other hazards**

**Further information**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

**SECTION 12: Ecological information**

**12.1. Toxicity**

Harmful to aquatic life with long lasting effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
7664-38-2	Phosphoric acid					
	Acute fish toxicity	LC50 138 mg/l	96 h	Gambusia affinis (Mosquito fish)	MSDS	
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Desmodesmus subspicatus	MSDS	OECD 201
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna	ECHA	OECD 202
	Acute bacteria toxicity	(EC50 1000 mg/l)	3 h	Microorganisms	ECHA	
5949-29-1	Citric acid monohydrate					
	Acute fish toxicity	LC50 440 mg/l	96 h	Leuciscus idus (golden orfe)	MSDS	OECD 203, 48 h
	Acute algae toxicity	ErC50 425 mg/l		Scenedesmus quadricauda	MSDS	168 h, statisch
	Acute crustacea toxicity	EC50 1535 mg/l	48 h	Daphnia magna (Big water flea)	MSDS	24 h, statisch
	Acute bacteria toxicity	(EC50 > 10000 mg/l)		Pseudomonas putida	MSDS	16 h
5329-14-6	Sulphamidic acid; sulphamic acid; sulfamic acid					
	Acute fish toxicity	LC50 70,3 mg/l	96 h	Pimephales promelas (fathead minnow)	MSDS	OECD 203
	Acute algae toxicity	ErC50 48 mg/l	72 h	Desmodesmus subspicatus	MSDS	OECD 201
	Acute crustacea toxicity	EC50 71,6 mg/l	48 h	Daphnia magna (Big water flea)	MSDS	OECD 202
	Fish toxicity	NOEC 30 mg/l	21 d	Oncorhynchus mykiss (Rainbow trout)	MSDS	OECD 210
	Algae toxicity	NOEC 18 mg/l	3 d	Aquatic Algae and Cyanobacteria	MSDS	
	Crustacea toxicity	NOEC 0,150 mg/l	35 d	Aquatic vertebrates	MSDS	
	Acute bacteria toxicity	(EC50 > 200 mg/l)	3 h	Microorganisms	MSDS	OECD 209
25307-17-9	Bis(2-hydroxyethyl) Oleyl amine					
	Acute fish toxicity	LC50 > 0,1 - 1 mg/l	96 h	Danio rerio (zebrafish)	MSDS	OECD 203
	Acute algae toxicity	ErC50 > 0,01 - 0,1 mg/l	72 h	Pseudokirchneriella subcapitata	MSDS	OECD 201
	Acute crustacea toxicity	EC50 > 0,01 - 0,1 mg/l	48 h	Daphnia magna (Big water flea)	MSDS	OECD 202

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**12.2. Persistence and degradability**

The product has not been tested. 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			
5949-29-1	Citric acid monohydrate	OECD 301B	97 %	28	MSDS
	Readily biodegradable (according to OECD criteria).				
		OECD 301E/ EEC 92/69/V, C.4-B	100 %	19	
	Readily biodegradable (according to OECD criteria).				
25307-17-9	Bis(2-hydroxyethyl) Oleyl amine	OECD 301D			MSDS
	Readily biodegradable (according to OECD criteria).				

**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
7664-38-2	Phosphoric acid	-2
5949-29-1	Citric acid monohydrate	-1,72
5329-14-6	Sulphamidic acid; sulphamic acid; sulfamic acid	-4,3
25307-17-9	Bis(2-hydroxyethyl) Oleyl amine	3,4

**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 UK REACH.

**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.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

**List of Wastes Code - 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

**List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

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**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

<b>14.1. UN number or ID number:</b>	UN 3264
<b>14.2. UN proper shipping name:</b>	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid, Sulphamidic acid; sulphamic acid; sulfamic acid)
<b>14.3. Transport hazard class(es):</b>	8
<b>14.4. Packing group:</b>	III
Hazard label:	8



Classification code:	C1
Special Provisions:	274
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	80
Tunnel restriction code:	E

**Other applicable information (land transport)**

May be corrosive to metals.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Warning: strongly corrosive.

**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 75

2010/75/EU (VOC): 0,017 % (0,174 g/l)

2004/42/EC (VOC): 0,025 % (0,258 g/l)

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**Additional information**

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

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 3 - highly hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

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**SECTION 16: Other information**

**Changes**

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

**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%  
CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
RID: Regulations concerning the international carriage of dangerous goods by rail  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
SVHC: Substance of Very High Concern  
GESTIS: Gefahrstoffinformationssystem der Deutschen Gesetzlichen Unfallversicherung  
(Information system on hazardous substances of the German Social Accident Insurance)  
ECHA: European Chemicals Agency  
MSDS: Material Safety Data Sheet  
VOC: Volatile Organic Compounds  
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

**Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification	Classification procedure
Met. Corr. 1; H290	On basis of test data
Skin Corr. 1; H314	On basis of test data
Eye Dam. 1; H318	On basis of test data
Aquatic Chronic 3; H412	Calculation method

**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.

**Safety Data Sheet**

according to UK REACH Regulation

**HYGIENE KLEIN WC-/Sanitärreiniger Hochkonzentrat-Gel**

Revision date: 13.09.2022

Product code: 1519010

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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**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

**Identified uses**

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Washing and cleaning products (including solvent based products)	-	-	35	-	-	-	-	PC35

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

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