

Safety Data Sheet



according to Regulation (EC) No 1907/2006

Wc Cleaner

Revision date: 20.01.2017

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

1.1. Product identifier

Wc Cleaner

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)

Sanitary cleaner, corrosive

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

Internet: www.buzil.com

1.4. Emergency telephone number: +49 (0) 8331 / 930-730

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. 1B

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

May be corrosive to metals.

Causes severe skin burns and eye damage.

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Phosphoric acid. Hydrochloric acid.

Signal word: Danger

Pictograms:



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

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/shower.

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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 according to Regulation (EC) No. 1272/2008 [CLP]	
7664-38-2	Phosphoric acid	5 - < 10 %
	231-633-2	015-011-00-6
	01-2119485924-24	
	Skin Corr. 1B; H314	
	Hydrochloric acid	1 - < 5 %
	231-595-7	017-002-01-X
	01-2119484862-27	
	Skin Corr. 1B, STOT SE 3; H314 H335	
68439-50-9	fatty alcohol polyethoxylate	1 - < 5 %
	Acute Tox. 4, Eye Dam. 1, Aquatic Chronic 3; H302 H318 H412	
25307-17-9	fatty amine polyethoxilate	1 - < 5 %
	246-807-3	01-2119510876-35
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H302 H314 H400 H410	

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

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

5 % - < 15 % non-ionic surfactants, perfumes (Butylphenyl methylpropional).

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.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet
alcohol resistant foam
Carbon dioxide
Extinguishing powder

Unsuitable extinguishing media

High power 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

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

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.

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.

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Advice on storage compatibility

No special measures are necessary.

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
7647-01-0	Hydrogen chloride (gas and aerosol mists)	1	2		TWA (8 h)	WEL
		5	8		STEL (15 min)	WEL
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
25307-17-9	fatty amine polyethoxilate			
Worker DNEL, long-term		inhalation	systemic	1,76 mg/m ³
Worker DNEL, long-term		dermal	systemic	0,25 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,621 mg/m ³
Consumer DNEL, long-term		oral	systemic	0,179 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	0,179 mg/kg bw/day

PNEC values

CAS No	Substance	Value
25307-17-9	fatty amine polyethoxilate	
Environmental compartment		
Freshwater		0,000214 mg/l
Marine water		0,0000214 mg/l
Marine sediment		0,0171 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,5 mg/kg
Soil		5 mg/kg
Secondary poisoning		2 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

When handling with chemical substances, protective gloves must be worn with the CE-label including the four

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control digits.

Suitable material: NBR (Nitrile rubber).

Breakthrough time (maximum wearing time) >480 min.

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

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:
Odour: Perfumes, fragrances

pH-Value (at 20 °C): 0,0 - 0,5

Changes in the physical state

Melting point: approx. 0 °C
Initial boiling point and boiling range: approx. 100 °C
Flash point: not applicable

Flammability

Solid: not applicable
Gas: not applicable
Lower explosion limits: not determined
Upper explosion limits: not determined

Auto-ignition temperature

Solid: not applicable
Gas: not applicable
Decomposition temperature: not determined

Oxidizing properties

Not oxidizing.
Vapour pressure: not determined

Density (at 25 °C): 1,05 g/cm³

Water solubility: completely miscible

Solubility in other solvents

not determined
Partition coefficient: not determined

Viscosity / dynamic: <450 mPa·s (50 1/s)
(at 25 °C)

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: not determined

Test method

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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 toxicological effects

Acute toxicity

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

CAS No	Chemical name	Exposure route	Dose	Species	Source
7664-38-2	Phosphoric acid	oral	LD50 >2000 mg/kg	Rat	ATE
		dermal	LD50 >2000 mg/kg	Rat	ATE
		inhalative aerosol	LC50 >5 mg/l	Rat	ATE
	Hydrochloric acid	oral	LD50 >2000 mg/kg	Rat	ATE
		dermal	LD50 >2000 mg/kg	Rat	ATE
		inhalative gas	LC50 700 ppm	Rat	ATE
68439-50-9	fatty alcohol polyethoxylate	oral	LD50 500 mg/kg	Rat	ATE
		dermal	LD50 >2000 mg/kg	Rat	ATE
		inhalative aerosol	LC50 >5 mg/l	Rat	ATE
25307-17-9	fatty amine polyethoxilate	oral	LD50 1260 mg/kg	Rat	OECD 401
		dermal	LD50 >2000 mg/kg	Rat	ATE
		inhalative 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

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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
7664-38-2	Phosphoric acid				
	Acute fish toxicity	LC50 138 mg/l	96 h	Gambusia affinis (Mosquito fish)	
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Desmodesmus subspicatus	OECD 201
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202
	Algae toxicity	NOEC 100 mg/l	72 d	Desmodesmus subspicatus	OECD 201
	Hydrochloric acid				
	Acute fish toxicity	LC50 862 mg/l	96 h	Leuciscus idus (golden orfe)	
68439-50-9	fatty alcohol polyethoxylate				
	Acute fish toxicity	LC50 >1 mg/l	96 h		
	Acute algae toxicity	ErC50 >1 mg/l			
	Acute crustacea toxicity	EC50 >1 mg/l	48 h		
25307-17-9	fatty amine polyethoxilate				
	Acute fish toxicity	LC50 0,1 mg/l	96 h	Brachydanio rerio (zebra-fish)	OECD 203
	Acute algae toxicity	ErC50 0,0867 mg/l	72 h		OECD 201
	Acute crustacea toxicity	EC50 0,043 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202
	Acute bacteria toxicity	(128 mg/l)	3 h	Activated sludge	OECD 209

12.2. Persistence and degradability

The surfactants contained in this preparation 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			
68439-50-9	fatty alcohol polyethoxylate			
	OECD 301	>60%	28	
	Readily biodegradable (according to OECD criteria).			
25307-17-9	fatty amine polyethoxilate			
	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.

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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
25307-17-9	fatty amine polyethoxilate	3,4

BCF

CAS No	Chemical name	BCF	Species	Source
25307-17-9	fatty amine polyethoxilate	23,4		

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 REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.
Delivery to an approved waste disposal company.

Waste disposal number of waste from residues/unused products

060104 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of acids; phosphoric and phosphorous acid
Classified as 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

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. (Phosphoric acid, Hydrochloric 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
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- 14.2. UN proper shipping name:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid, Hydrochloric 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. (Phosphoric acid, Hydrochloric acid)
- 14.3. Transport hazard class(es):** 8
- 14.4. Packing group:** III
- Hazard label: 8
- 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. (Phosphoric acid, Hydrochloric 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: yes

SECTION 15: Regulatory information

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

EU regulatory information

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

Additional information

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

National regulatory information

Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

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

SECTION 16: Other information

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Changes

SECTION 2: Hazards identification

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: Use in closed, continuous process with occasional controlled exposure

PROC 4: Use in batch and other process (synthesis) 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 preparation 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.

H318 Causes serious eye damage.

H335 May cause respiratory 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 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.)