

Safety Data Sheet

according to UK REACH Regulation

Saniclean S

Revision date: 14.03.2022

Product code:

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

1.1. Product identifier

Saniclean S

UFI: H940-G094-8008-WDVS

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

Use of the substance/mixture

Cleaning agent, acidic

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name:	Schaich Chemie und Bautenschutz GmbH	
Street:	Ficht 8	
Place:	D-94107 Untergriesbach	
Telephone:	+49(0)8593 93 96 207	Telefax: +49(0)8593 93 96 206
e-mail:	info@schaich-chemie.de	
Internet:	www.schaich-chemie.de	
Responsible Department:	+49 (0)8593 9396207 (8:00-16:00)	

Supplier

Company name:	Stein & Co. GmbH
Street:	Wirtschaftspark Straße 3/9
Place:	A-4482 Ennsdorf

1.4. Emergency telephone number: +49 (0)8593 9396207 (8:00-13:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Met. Corr. 1; H290
Acute Tox. 4; H302
Skin Corr. 1B; H314
Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

phosphoric acid; orthophosphoric acid
glycolic acid
1-heptanol, 2-propyl, 7 EO; Fatty Alcohol ethoxylates

Signal word: Danger

Pictograms:



Hazard statements

H290 May be corrosive to metals.

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H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

For information or further instructions, see also section 11 or 12.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

in aqueous solution

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
7664-38-2	phosphoric acid; orthophosphoric acid			20 - < 25 %
	231-633-2	015-011-00-6	01-2119485924-24	
	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B; H290 H302 H314			
79-14-1	glycolic acid			10 - < 12 %
	201-180-5		01-2119485579-17	
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1; H332 H314 H318 EUH071			
77-92-9	citric acid			1 - < 3 %
	201-069-1	607-750-00-3	01-2119457026-42	
	Eye Irrit. 2, STOT SE 3; H319 H335			
160875-66-1	1-heptanol, 2-propyl, 7 EO; Fatty Alcohol ethoxylates			1 - < 3 %
	605-233-7			
	Acute Tox. 4, Eye Dam. 1; H302 H318			
64-18-6	Formic acid ...%			0.1 - < 0.2 %
	200-579-1	607-001-00-0	01-2119491174-37	
	Flam. Liq. 3, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1A; H226 H331 H302 H314 EUH071			

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		
7664-38-2	231-633-2	phosphoric acid; orthophosphoric acid	20 - < 25 %
	oral: LD50 = 2600 mg/kg Skin Corr. 1B; H314: >= 25 - 100 Skin Irrit. 2; H315: >= 10 - < 25 Eye Irrit. 2; H319: >= 10 - < 25		
79-14-1	201-180-5	glycolic acid	10 - < 12 %
	inhalation: ATE = 11 mg/l (vapours); inhalation: LC50 = (3,6) mg/l (dusts or mists); oral: LD50 = 2040 mg/kg		
77-92-9	201-069-1	citric acid	1 - < 3 %

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	dermal: LD50 = > 2000 mg/kg; oral: LD50 = 5400 mg/kg		
160875-66-1	605-233-7	1-heptanol, 2-propyl, 7 EO; Fatty Alcohol ethoxylates	1 - < 3 %
	dermal: LD50 = >2000 mg/kg; oral: LD50 = 300-2000 mg/kg		
64-18-6	200-579-1	Formic acid ...%	0.1 - < 0.2 %
	inhalation: LC50 = 7,85 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = 730 mg/kg Skin Corr. 1A; H314: >= 90 - 100 Skin Corr. 1B; H314: >= 10 - < 90 Skin Irrit. 2; H315: >= 2 - < 10 Eye Irrit. 2; H319: >= 2 - < 10		

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

< 5 % non-ionic surfactants, perfumes (Limonene).

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Remove contaminated, saturated clothing immediately.

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. Apply cortisone spray at early stage.

After contact with skin

Take off immediately all contaminated clothing. After contact with skin, wash immediately with: Water and soap. Call a physician immediately.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. Call a physician immediately.

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

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).

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

No active charcoal administration (as endoscopy will be required)!

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Water spray jet, Carbon dioxide (CO₂), Extinguishing powder, alcohol resistant foam**Unsuitable extinguishing media**

High power water jet.

5.2. Special hazards arising from the substance or mixtureCan be released in case of fire: Carbon dioxide (CO₂), Carbon monoxide Phosphorus oxides**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

Additional information

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

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water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Remove persons to safety. Provide adequate ventilation.
Avoid contact with skin, eyes and clothes. Do not breathe vapour/aerosol.
Wear personal protection equipment. (See section 8.)

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Discharge into the environment must be avoided. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

For containment

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.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

Other information

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.
Clean contaminated objects and areas thoroughly observing environmental regulations.

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

Provide adequate ventilation as well as local exhaustion at critical locations.
Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

The usual precautions for handling chemicals should be considered.
Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work. Remove contaminated clothing immediately and dispose off safely. Wash contaminated clothing prior to re-use.

Further information on handling

Avoid contact with skin, eyes and clothes. Do not breathe vapour/aerosol.
General protection and hygiene measures: refer to chapter 8

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Store locked up.
Unsuitable container/equipment material: Metal

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Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Organic peroxides. Self-reactive substances and mixtures. Radioactive substances. Infectious substances.

Further information on storage conditions

Protect against: UV-radiation/sunlight., Heat, Humidity

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
64-18-6	Formic acid	5	9.6		TWA (8 h)	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
79-14-1	glycolic acid			
	Worker DNEL, long-term	inhalation	systemic	10,56 mg/m ³
	Worker DNEL, acute	inhalation	systemic	9,2 mg/m ³
	Worker DNEL, long-term	inhalation	local	1,53 mg/m ³
	Worker DNEL, acute	inhalation	local	9,2 mg/m ³
	Worker DNEL, long-term	dermal	systemic	57,69 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	2,6 mg/m ³
	Consumer DNEL, acute	inhalation	systemic	2,3 mg/m ³
	Consumer DNEL, acute	inhalation	local	2,3 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	28,85 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	0,75 mg/kg bw/day
64-18-6	Formic acid ...%			
	Worker DNEL, acute	inhalation	local	19 mg/m ³
	Worker DNEL, acute	inhalation	systemic	19 mg/m ³
	Worker DNEL, long-term	inhalation	local	9,5 mg/m ³
	Worker DNEL, long-term	inhalation	systemic	9,5 mg/m ³
	Consumer DNEL, acute	inhalation	local	9,5 mg/m ³
	Consumer DNEL, acute	inhalation	systemic	9,5 mg/m ³
	Consumer DNEL, long-term	inhalation	local	3 mg/m ³
	Consumer DNEL, long-term	inhalation	systemic	3 mg/m ³

PNEC values

CAS No	Substance
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Environmental compartment		Value
79-14-1	glycolic acid	
Freshwater		0,031 mg/l
Freshwater (intermittent releases)		0,312 mg/l
Marine water		0,003 mg/l
Freshwater sediment		0,115 mg/kg
Marine sediment		0,011 mg/kg
Secondary poisoning		16,66 mg/kg
Micro-organisms in sewage treatment plants (STP)		7 mg/l
Soil		0,007 mg/kg
77-92-9	citric acid	
Freshwater		0,44 mg/l
Marine water		0,044 mg/l
Freshwater sediment		34,6 mg/kg
Marine sediment		3,46 mg/kg
Micro-organisms in sewage treatment plants (STP)		1000 mg/l
Soil		33,1 mg/kg
64-18-6	Formic acid ...%	
Freshwater		2 mg/l
Freshwater (intermittent releases)		1 mg/l
Marine water		0,2 mg/l
Freshwater sediment		13,4 mg/kg
Marine sediment		1,34 mg/kg
Micro-organisms in sewage treatment plants (STP)		7,2 mg/l
Soil		1,5 mg/kg

8.2. Exposure controls**Appropriate engineering controls**

Provide adequate ventilation as well as local exhaustion at critical locations.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Suitable eye protection: Tightly sealed safety glasses. BS/EN 166

Hand protection

Wear suitable gloves. BS EN 374

Gloves with long cuffs

Suitable material:

Butyl rubber. (0,5 mm) (Breakthrough time \geq 8h)

FKM (fluororubber). (0,4 mm) (Breakthrough time \geq 8h)

CR (polychloroprenes, Chloroprene rubber). (0,5 mm) (Breakthrough time \geq 2h)

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

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.

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Skin protection

Protective clothing. Protective apron (acid-resistant)

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

Exceeding exposure limit values

Insufficient ventilation

Generation/formation of aerosols

Suitable respiratory protective equipment: Combination filtering device (EN 14387) Type: AEP-2/3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

This material and its container must be disposed of in a safe way.

The product is an acid. Before discharge into sewage plants the product normally needs to be neutralised.

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

Physical state:	liquid
Colour:	reddish
Odour:	stinging

Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	~100 °C
Sublimation point:	No information available.
Softening point:	No information available.
Pour point:	not determined
Flash point:	not determined

Flammability

Solid/liquid:	No information available.
Gas:	No information available.

Explosive properties

none

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature:	not determined

Self-ignition temperature

Solid:	No information available.
Gas:	No information available.

Decomposition temperature:	not determined
pH-Value:	3
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined

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Water solubility:	very soluble
Solubility in other solvents	
No information available.	
Partition coefficient n-octanol/water:	No information available.
Vapour pressure:	not determined
(at 20 °C)	
Vapour pressure:	No information available.
(at 50 °C)	
Density (at 20 °C):	not determined
Bulk density:	No information available.
Relative vapour density:	not determined

9.2. Other information**Information with regard to physical hazard classes**

Sustaining combustion:	No data available
Oxidizing properties	
none	

Other safety characteristics

Solvent separation test:	No information available.
Solvent content:	No information available.
Solid content:	not determined
Evaporation rate:	No information available.

Further Information

No information available.

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

May be corrosive to metals.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Violent reaction with: alkali

10.4. Conditions to avoid

Protect against direct sunlight.
Keep away from heat.

10.5. Incompatible materials

Materials to avoid: Substances which form flammable gases when in contact with water. Organic peroxides.
Inflammatory substances. Alkali metals. Oxidizing agents. alkali.

10.6. Hazardous decomposition productsCan be released in case of fire: Carbon dioxide (CO₂), Carbon monoxide Phosphorus oxides**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Toxicokinetics, metabolism and distribution**

No information available.

Acute toxicity

Harmful if swallowed.

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ATEmix calculated

ATE (oral) 1924,9 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7664-38-2	phosphoric acid; orthophosphoric acid				
	oral	LD50 2600 mg/kg	Rat	ECHA Dossier	
79-14-1	glycolic acid				
	oral	LD50 2040 mg/kg	Rat	Study report (1998)	EPA OPP 81-1
	inhalation vapour	ATE 11 mg/l			
	inhalation (4 h) dust/mist	LC50 (3,6) mg/l	Rat..male. , OECD 403	ECHA Dossier	
77-92-9	citric acid				
	oral	LD50 5400 mg/kg	Mouse	ECHA Dossier	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	ECHA Dossier	OECD Guideline 402
160875-66-1	1-heptanol, 2-propyl, 7 EO; Fatty Alcohol ethoxylates				
	oral	LD50 300-2000 mg/kg	Rat	MSDS extern	
	dermal	LD50 >2000 mg/kg	Rabbit	MSDS extern	
64-18-6	Formic acid ...%				
	oral	LD50 730 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rat	ECHA Dossier	
	inhalation (4 h) vapour	LC50 7,85 mg/l	Rat	ECHA Dossier	
	inhalation dust/mist	ATE 0,5 mg/l			

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.

Phosphoric acid ...%; orthophosphoric acid (CAS No. 7664-38-2):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Reproductive toxicity:

Exposure time: 54d

Species: Rat.

Method: OECD Guideline 422

Result: NOEL = 500 mg/kg bw/day

Literature information: ECHA Dossier

glycolic acid (CAS No. 79-14-1):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Reproductive toxicity:

Exposure time: 111d

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Species: Rat.
Method: OECD Guideline 415
Result: NOEL = 600 mg/kg bw/day
Developmental toxicity/teratogenicity:
Exposure time: 21d
Species: Rat.
Method: OECD Guideline 414
Result: NOEL = 150 mg/kg bw/day
Literature information: ECHA Dossier

citric acid (CAS-No.: 77-92-9):
In-vivo mutagenicity: No experimental indications of mutagenicity in-vivo exist.
Literature information: ECHA Dossier

dipentene; limonene (CAS No. 5989-27-5):
In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.
Literature information: ECHA Dossier

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.
Phosphoric acid ...%; orthophosphoric acid (CAS No. 7664-38-2):
Subchronic oral toxicity:
Exposure time: 90d
Species: Rat.
Method: OECD Guideline 422
Result: NOAEL = 250 mg/kg bw/day
Literature information: ECHA Dossier

glycolic acid (CAS No. 79-14-1):
Subchronic oral toxicity:
Exposure time: 90d
Species: Rat.
Method: OECD Guideline 408
Result: NOEL = 150 mg/kg bw/day (70% sol)
Literature information: ECHA Dossier

dipentene; limonene (CAS No. 5989-27-5):
Subacute oral toxicity:
Exposure time: 28d
Species: Mouse
Method: OECD Guideline 407
Result: NOAEL = 1650 mg/kg bw/day
Literature information: ECHA Dossier

Aspiration hazard

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

Specific effects in experiment on an animal

No information available.

11.2. Information on other hazards**Endocrine disrupting properties**

No information available.

SECTION 12: Ecological information

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12.1. Toxicity

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
7664-38-2	phosphoric acid; orthophosphoric acid					
	Acute fish toxicity	LC50 138 mg/l	96 h	Gambusia affinis		
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna	ECHA Dossier	
79-14-1	glycolic acid					
	Acute fish toxicity	LC50 164 mg/l	96 h	Pimephales promelas	REACH Registration Dossier	other: US EPA Pesticide Assessment Guide
	Acute algae toxicity	ErC50 22,5 mg/l	72 h	Pseudokirchneriella subcapitata	REACH Registration Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 141 mg/l	48 h	Daphnia magna	REACH Registration Dossier	OECD Guideline 202
	Acute bacteria toxicity	(EC50 > 100 mg/l)	3 h	Activated sludge	REACH Registration Dossier	OECD Guideline 209
77-92-9	citric acid					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Pimephales promelas	ECHA Dossier	OECD Guideline 203
	Acute crustacea toxicity	EC50 > 50 (24h) mg/l	48 h	Dreissena polymorpha	ECHA Dossier	
	Algae toxicity	NOEC 425 mg/l	8 d	Scenedesmus quadricauda	EPSR Bringmann & Kuhn (1980)	
160875-66-1	1-heptanol, 2-propyl, 7 EO; Fatty Alcohol ethoxylates					
	Acute fish toxicity	LC50 >10-100 mg/l	96 h	Oncorhynchus mykiss	MSDS extern	
	Acute algae toxicity	ErC50 >10-100 mg/l	72 h	Scenedesmus subspicatus	MSDS extern	
	Acute crustacea toxicity	EC50 >10-100 mg/l	48 h	Daphnia magna	MSDS extern	
64-18-6	Formic acid ...%					
	Acute fish toxicity	LC50 40-100 mg/l	96 h	Leuciscus idus	IUCLID	
	Acute algae toxicity	ErC50 27 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 34,2 mg/l	48 h	Daphnia magna	IUCLID	

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
79-14-1	glycolic acid			

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	OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C	78%	11	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
77-92-9	citric acid			
	OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C	97 %	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
64-18-6	Formic acid ...%			
	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	100%	14	ECHA Dossier
	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
79-14-1	glycolic acid	< 0,3
77-92-9	citric acid	-1,55
64-18-6	Formic acid ...%	-0,54

BCF

CAS No	Chemical name	BCF	Species	Source
77-92-9	citric acid	3,2		ECHA Dossier

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

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

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

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.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

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. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

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 - 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

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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

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)**


14.1. UN number or ID number: UN 1760
14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (phosphoric acid/glycolic acid)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
Hazard label: 8



Classification code: C9
Special Provisions: 274
Limited quantity: 1 L
Excepted quantity: E2
Transport category: 2
Hazard No: 80
Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1760
14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (phosphoric acid/glycolic acid)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
Hazard label: 8



Classification code: C9
Special Provisions: 274
Limited quantity: 1 L
Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number or ID number: UN 1760
14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (phosphoric acid/glycolic acid)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
Hazard label: 8



Marine pollutant: NO
Special Provisions: 274
Limited quantity: 1 L

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Excepted quantity: E2
EmS: F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1760
14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (phosphoric acid/glycolic acid)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
Hazard label: 8



Special Provisions: A3 A803
Limited quantity Passenger: 0.5 L
Passenger LQ: Y840
Excepted quantity: E2
IATA-packing instructions - Passenger: 851
IATA-max. quantity - Passenger: 1 L
IATA-packing instructions - Cargo: 855
IATA-max. quantity - Cargo: 30 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Safe handling: see section 7
Personal protection equipment: see section 8

14.7. Maritime transport in bulk according to IMO instruments

not relevant

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): No information available.
2004/42/EC (VOC): No information available.
Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

Safety Data Sheet according to UK-REACH Regulation
The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].
UK REACH Appendix XVII, No (mixture): 3

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): 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

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Changes

Rev. 1,0; Initial release: 08.10.2015
 Rev. 2,0; Revision: 22.07.2019
 Rev. 3,0; Revision: 14.03.2022

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)
 CAS: Chemical Abstracts Service
 CLP: Classification, Labelling and Packaging of substances and mixtures
 DNEL: Derived No Effect Level
 d: day(s)
 EINECS: European INventory of Existing Commercial chemical Substances
 ELINCS: European List of Notified Chemical Substances
 ECHA: European Chemicals Agency
 EWC: European Waste Catalogue
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
 h: hour
 LOAEL: Lowest observed adverse effect level
 LOAEC: Lowest observed adverse effect concentration
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NOAEL: No observed adverse effect level
 NOAEC: No observed adverse effect concentration
 NLP: No-Longer Polymers
 N/A: not applicable
 OECD: Organisation for Economic Co-operation and Development
 PNEC: predicted no effect concentration
 PBT: Persistent bioaccumulative toxic
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 REACH: Registration, Evaluation, Authorisation of Chemicals
 SVHC: substance of very high concern
 TRGS: Technische Regeln für Gefahrstoffe
 UN: United Nations
 VOC: Volatile Organic Compounds

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

Classification	Classification procedure
Met. Corr. 1; H290	On basis of test data
Acute Tox. 4; H302	Calculation method
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.
 H290 May be corrosive to metals.
 H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.

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H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
EUH071	Corrosive to the respiratory tract.

Further Information

Classification according to GHS [UK CLP] - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

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.)