

according to Regulation (EC) No 1907/2006

**SANIT Steinlöser**

Revision date: 30.01.2019

Product code: 3021

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

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

Cleaning agent, acidic.

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

Company name:	SANIT-Chemie	
	Reinigungsmittel und -geräte GmbH	
Street:	Dieselstr. 38	
Place:	D-74211 Leingarten	
Telephone:	+49 7131 902100	Telefax: +49 7131 404360
e-mail:	info@sanit-chemie.de	
Contact person:	Produktmanagement	Telephone: 07131 90210-20
Internet:	www.sanit-chemie.de	

**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. 1A

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

May be corrosive to metals.

Causes severe skin burns and eye damage.

May cause respiratory irritation.

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

Hydrochloric acid

**Signal word:** Danger

**Pictograms:**

**Hazard statements**

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.

**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.

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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.

**SECTION 3: Composition/information on ingredients**
**3.2. Mixtures**
**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
7647-01-0	Hydrochloric acid			25 - 30 %
	231-595-7	017-002-01-X	01-2119484862-27	
	Skin Corr. 1B, STOT SE 3; H314 H335			
68424-85-1	quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides			0.1 - < 1 %
	270-325-2	612-140-00-5		
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10); H312 H302 H314 H318 H400			

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

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

&lt; 5 % cationic surfactants.

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

Remove affected person from the danger area and lay down. Remove contaminated, saturated clothing immediately.

**After inhalation**

Provide fresh air. Medical treatment necessary. In case of respiratory tract irritation, consult a physician.

**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**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Potential hazards: Stomach perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk.

**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.

**Unsuitable extinguishing media**

High power water jet.

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**5.3. Advice for firefighters**

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

**Additional information**

Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

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

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**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.

**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.

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

Keep container tightly closed.

**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 <sup>3</sup>	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

**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.

**Protective and hygiene measures**

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

**Eye/face protection**

Tightly sealed safety glasses.

**Hand protection**

Tested protective gloves are to be worn:

Butyl rubber. CR (polychloroprenes, Chloroprene rubber). Thickness of glove material: 0,65 mm penetration time (maximum wearing period): 480 min (DIN EN 374 )

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**Skin protection**

Protective clothing: acid proof.

**Respiratory protection**

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

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

Physical state:	liquid	
Colour:	colourless	
Odour:	stinging	
pH-Value:		0-1

**Changes in the physical state**

Melting point:		0 °C
Initial boiling point and boiling range:		100 °C
Flash point:		not applicable
Density:		1,125 g/cm <sup>3</sup>
Water solubility:		completely miscible
Viscosity / kinematic:		not determined
Vapour density:		not determined

**SECTION 10: Stability and reactivity**
**10.3. Possibility of hazardous reactions**

Oxidizing agents, strong.

**10.5. Incompatible materials**

Oxidizing agents, strong. Slowly corrodes aluminium and zink under hydrogen evolution.

**SECTION 11: Toxicological information**
**11.1. Information on toxicological effects**
**Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68424-85-1	quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides				
	oral	LD50 mg/kg	919	Mouse.	
	dermal	ATE mg/kg	1100		

**Irritation and corrosivity**

Irritant and corrosive effects. after ingestion: Potential hazards: Stomach perforation.

**Sensitising effects**

no danger of sensitization.

**Additional information on tests**

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

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**SECTION 12: Ecological information**
**12.1. Toxicity**

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
7647-01-0	Hydrochloric acid					
	Acute fish toxicity	LC50 862 mg/l	96 h	Leuciscus idus		
68424-85-1	quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides					
	Acute fish toxicity	LC50 0,85 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		OECD 201
	Acute crustacea toxicity	EC50 0,02 mg/l	48 h	Selenastrum capricornutum		OECD 201
	Crustacea toxicity	NOEC 0,025 mg/l	21 d	Daphnia magna		OECD 211

**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.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
68424-85-1	quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides			
	OECD 301D	> 60%		
	The single components are biodegradable.			
	OECD 303A	> 90 %		
	Biodegradable.			

**12.3. Bioaccumulative potential**
**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
68424-85-1	quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	2,88

**12.5. Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**Further information**

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**
**Advice on disposal**

Dispose of waste according to applicable legislation.

**Waste disposal number of waste from residues/unused products**

060102 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of acids; hydrochloric acid; hazardous waste

**Waste disposal number of used product**

060102 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the manufacture, formulation, supply and use (MFSU) of acids; hydrochloric acid; 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)**

**14.1. UN number:** UN 1789  
**14.2. UN proper shipping name:** HYDROCHLORIC ACID  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
 Hazard label: 8



Classification code: C1  
 Limited quantity: LQ22  
 Hazard No: 80  
 Tunnel restriction code: E

**Other applicable information (land transport)**

Special provisions: 520  
 E2  
 Transport category: 2

**Inland waterways transport (ADN)**

**14.1. UN number:** UN 1789  
**14.2. UN proper shipping name:** HYDROCHLORIC ACID  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
 Hazard label: 8



Classification code: C1  
 Limited quantity: LQ22

**Other applicable information (inland waterways transport)**

Special provisions: 520  
 E2

**SECTION 15: Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
**National regulatory information**

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

**SECTION 16: Other information**
**Changes**

This data sheet contains changes from the previous version in section(s): 1,3,7.

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**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

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	Calculation method
STOT SE 3; H335	Calculation method

**Relevant H and EUH statements (number and full text)**

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

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