

### Safety data sheet according to 1907/2006/EC, Article 31

Printing date 25.10.2023

Version number 3 (replaces version 2)

Revision: 25.10.2023

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

· **1.1 Product identifier**

· **Product name: KS6293 - Acide Chlorohydrique Passive**

· **Catalog number:** 56Z629398, 56L629398, 56U629398

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

· **Application of the substance / the preparation:** Reagent for water analysis

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

· **Supplier:**

Tintometer GmbH  
Schleefstraße 8-12  
44287 Dortmund  
Made in Germany  
www.lovibond.com

phone: +49 (0)231 94510-0  
e-mail: sales@lovibond.com

The Tintometer Limited  
Lovibond® House  
Sun Rise Way  
Amesbury  
Wiltshire SP4 7GR  
United Kingdom

phone : +44 1980 664800  
e-mail: SDS@lovibond.uk

· **Informing department:**  
e-mail: sds@lovibond.com  
Product Safety Department

· **1.4 Emergency telephone number:**

+44 1235 239670  
Languages: English

#### SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Carc. 1B    H350 May cause cancer.



GHS05 corrosion

Met. Corr.1    H290 May be corrosive to metals.



GHS07

Skin Sens. 1    H317 May cause an allergic skin reaction.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

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**Hazard pictograms**


GHS05    GHS07    GHS08

**Signal word** Danger

**Hazard-determining components of labelling:**

formaldehyde 0.6 %

**Hazard statements**

H290 May be corrosive to metals.

H317 May cause an allergic skin reaction.

H350 May cause cancer.

**Precautionary statements**

P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of water.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:**

Restricted to professional users.

**2.3 Other hazards** No further relevant information available.

**Results of PBT and vPvB assessment**

This mixture does not contain any substances that are assessed to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB), according to the criteria given in Annex XIII of Regulation (EC) No. 1907/2006.

**Determination of endocrine-disrupting properties**

The product does not contain substances with endocrine disrupting properties.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures**
**Description:** aqueous solution

**Dangerous components:**

CAS: 7647-01-0 EINECS: 231-595-7 Index No: 017-002-01-X Reg.nr.: 01-2119484862-27-XXXX	hydrochloric acid Met. Corr. 1, H290; Skin Corr. 1B, H314; STOT SE 3, H335 Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 % STOT SE 3; C ≥ 10 %	2.5–5%
CAS: 50-00-0 EINECS: 200-001-8 Index No: 605-001-00-5 Reg.nr.: 01-2119433307-44-XXXX	formaldehyde Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Muta. 2, H341; Carc. 1B, H350; Skin Corr. 1B, H314; Skin Sens. 1, H317 Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 5 % ≤ C < 25 % Eye Irrit. 2; H319: 5 % ≤ C < 25 % Skin Sens. 1; H317: C ≥ 0.2 % STOT SE 3; H335: C ≥ 5 %	0.2–<1%
CAS: 67-56-1 EINECS: 200-659-6 Index No: 603-001-00-X Reg.nr.: 01-2119433307-44-XXXX	methanol Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370 Specific concentration limits: STOT SE 1; H370: C ≥ 10 % STOT SE 2; H371: 3 % ≤ C < 10 %	0.1–1%

**Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

**4.1 Description of first aid measures**
**General information** Instantly remove any clothing soiled by the product.

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- **After inhalation**  
Supply fresh air.  
Seek medical treatment.
  - **After skin contact**  
Instantly rinse with water.  
Seek immediate medical advice.
  - **After eye contact** Rinse opened eye for several minutes (at least 15 min) under running water. Then consult doctor.
  - **After swallowing**  
Rinse out mouth and then drink 1-2 glasses of water.  
Seek medical treatment.
  - **4.2 Most important symptoms and effects, both acute and delayed:**  
asthma attacks  
allergic reactions  
irritations
  - **Danger** risk of skin sensitization
  - **4.3 Indication of any immediate medical attention and special treatment needed:** No further relevant information available.
- 

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
  - **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.  
Can be released in case of fire:  
Hydrogen chloride (HCl)  
Carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>)
  - **5.3 Advice for firefighters**
  - **Protective equipment:**  
Wear self-contained breathing apparatus.  
Wear full protective suit.
  - **Additional information**  
Collect contaminated fire fighting water separately. It must not enter drains.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.  
Ambient fire may liberate hazardous vapours.
- 

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  - **Advice for non-emergency personnel:**  
Wear protective equipment. Keep unprotected persons away.  
Avoid substance contact.  
Ensure adequate ventilation
  - **Advice for emergency responders:** Protective equipment: see section 8
  - **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or water bodies.  
Dilute with much water.
  - **6.3 Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Absorb with liquid-binding material (sand, diatomite, universal binders).  
Dispose of contaminated material as waste according to item 13.
  - **6.4 Reference to other sections**  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.
- 

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  - **Advice on safe handling:**  
Open and handle container with care.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
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**Hygiene measures:**

- Do not get in eyes, on skin, or on clothing.
- Take off immediately all contaminated clothing.
- Store protective clothing separately.
- Wash hands during breaks and at the end of the work.
- Do not eat, drink or smoke when using this product.

**7.2 Conditions for safe storage, including any incompatibilities**
**Requirements to be met by storerooms and containers:** Store in cool location.

**Information about storage in one common storage facility:**

Store away from metals.  
see chapter 10

**Further information about storage conditions:**

- Store in a locked cabinet or with access restricted to technical experts or their assistants.
- Protect from heat and direct sunlight.
- Protect from the effects of light.
- Protect from humidity and keep away from water.

**Recommended storage temperature:** 20°C +/- 5°C

**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**
**Components with limit values that require monitoring at the workplace:**
**CAS: 7647-01-0 hydrochloric acid**

WEL (Great Britain)	Short-term value: 8 mg/m <sup>3</sup> , 5 ppm Long-term value: 2 mg/m <sup>3</sup> , 1 ppm (gas and aerosol mists)
IOELV (European Union)	Short-term value: 15 mg/m <sup>3</sup> , 10 ppm Long-term value: 8 mg/m <sup>3</sup> , 5 ppm

**CAS: 50-00-0 formaldehyde**

WEL (Great Britain)	Short-term value: 2.5 mg/m <sup>3</sup> , 2 ppm Long-term value: 2.5 mg/m <sup>3</sup> , 2 ppm Carc
BOELV (European Union)	Short-term value: 0.74 mg/m <sup>3</sup> , 0.6 ppm Long-term value: 0.37 (0.62)* mg/m <sup>3</sup> , 0.3 (0.5)* ppm Skin sens;*health/funeral/embalming till 11/7/24

**CAS: 67-56-1 methanol**

WEL (Great Britain)	Short-term value: 333 mg/m <sup>3</sup> , 250 ppm Long-term value: 266 mg/m <sup>3</sup> , 200 ppm Sk
IOELV (European Union)	Long-term value: 260 mg/m <sup>3</sup> , 200 ppm Skin

**Regulatory information**

WEL (Great Britain): EH40/2020  
IOELV (European Union): (EU) 2019/1831  
BOELV (European Union): EU 2022/431

**DNELs**

Derived No Effect Level (DNEL)

**CAS: 7647-01-0 hydrochloric acid**

Inhalative	DNEL	15 mg/m <sup>3</sup> (Worker / acute / local effects) 8 mg/m <sup>3</sup> (Worker / long-term / local effects)
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**CAS: 67-56-1 methanol**

Oral	DNEL	8 mg/kg (Consumer / acute / systemic effects) 8 mg/kg (Consumer / long-term / systemic effects)
Dermal	DNEL	40 mg/kg (Worker / acute / systemic effects) 40 mg/kg (Worker / long-term / systemic effects) 8 mg/kg (Consumer / acute / systemic effects)

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Inhalative	DNEL	8 mg/kg (Consumer / long-term / systemic effects)
		260 mg/m <sup>3</sup> (Worker / acute / local effects)
		260 mg/m <sup>3</sup> (Worker / acute / systemic effects)
		260 mg/m <sup>3</sup> (Worker / long-term / local effects)
		260 mg/m <sup>3</sup> (Worker / long-term / systemic effects)
		50 mg/m <sup>3</sup> (Consumer / acute / local effects)
		50 mg/m <sup>3</sup> (Consumer / acute / systemic effects)
		50 mg/m <sup>3</sup> (Consumer / long-term / local effects)
		50 mg/m <sup>3</sup> (Consumer / long-term / systemic effects)

**Recommended monitoring procedures:**

Methods for measurement of the workplace atmosphere have to correspond to the requirements of norms DIN EN 482 and DIN EN 689.

**PNECs**

Predicted No Effect Concentration (PNEC)

<b>CAS: 7647-01-0 hydrochloric acid</b>	
PNEC	0.036 mg/l (Sewage treatment plant)
	0.036 mg/l (Marine water)
	0.045 mg/l (Aquatic intermittent release)
	0.036 mg/l (Fresh water)
<b>CAS: 67-56-1 methanol</b>	
PNEC	100 mg/l (Sewage treatment plant)
	15.4 mg/l (Marine water)
	154 mg/l (Fresh water)
PNEC	23.5 mg/kg (Soil)
	570.4 mg/kg (Fresh water sediment)

· **Additional information:** The lists that were valid during the compilation were used as basis.

**8.2 Exposure controls**
**Engineering measures:**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See item 7.

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

Protective clothing should be selected specifically for the workplace, depending on concentration and quantity of the hazardous substances handled.

· **Eye/face protection** Tightly sealed safety glasses.

**Hand protection**

Protective gloves.

Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

**Material of gloves**

nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.35$  mm

**Penetration time of glove material**

Value for the permeation: Level = 1 ( < 10 min )

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Other skin protection (body protection):** Protective work clothing.

· **Breathing equipment:** Use breathing protection against the effects of fumes/dust/aerosol.

· **Recommended filter device for short term use:** Combination filter E-P2

**Environmental exposure controls**

Avoid release to the environment.

Do not allow product to reach sewage system or water bodies.

## SECTION 9: Physical and chemical properties

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

· **Physical state** Fluid

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· <b>Form:</b>	Liquid
· <b>Colour:</b>	Colourless
· <b>Odour:</b>	Acrid
· <b>Odour threshold:</b>	Not determined.
· <b>Melting point/Freezing point:</b>	Not determined.
· <b>Boiling point or initial boiling point and boiling range</b>	100°C (CAS: 7732-18-5 water)
· <b>Flammability</b>	The product is not combustible.
· <b>Explosive properties:</b>	Product is not explosive.
· <b>Lower and upper explosion limit</b>	
Lower:	Not applicable.
Upper:	Not applicable.
· <b>Flash point:</b>	Not applicable.
· <b>Auto-ignition temperature:</b>	Not applicable.
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH at 20°C</b>	< 1
· <b>Kinematic viscosity</b>	Not determined.
· <b>Solubility</b>	
· <b>Water:</b>	Fully miscible
· <b>Partition coefficient n-octanol/water (log value)</b>	Not applicable (mixture).
· <b>Vapour pressure:</b>	Not determined.
· <b>Density and/or relative density</b>	
· <b>Density at 20°C:</b>	1.01 g/cm <sup>3</sup>
· <b>Relative density:</b>	Not determined.
· <b>Relative gas density</b>	Not determined.
· <b>Particle characteristics</b>	Not applicable (liquid).

### 9.2 Other information

· <b>Information with regard to physical hazard classes</b>	
· <b>Corrosive to metals</b>	May be corrosive to metals.
· <b>Metals that are corroded by the substance or mixture</b>	Information on incompatible materials can be found in Sections 7 and 10.
· <b>Other safety characteristics</b>	
· <b>Oxidising properties:</b>	none
· <b>Additional information</b>	
· <b>Solids content:</b>	0 %
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	< 1 %
· <b>Water:</b>	> 95 %

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** see section 10.3
- **10.2 Chemical stability** Stable at ambient temperature (room temperature).
- **10.3 Possibility of hazardous reactions**  
 Reacts with metals forming hydrogen (Danger of explosion in case of large amounts!)  
 Corrosive action on metals  
 Reacts with alkali (lyes)  
 Violent reactions possible with:
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**  
 metals  
 alkali metals  
 aluminium
- **10.6 Hazardous decomposition products:** see section 5

## SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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**LD/LC50 values that are relevant for classification:**

The following statements refer to the individual components.

<b>CAS: 7647-01-0 hydrochloric acid</b>		
Inhalative	LC50	3124 ppm / 1h (rat) (RTECS,V, pure)
<b>CAS: 50-00-0 formaldehyde</b>		
Oral	LD50	100 mg/kg (rat)
Dermal	LD50	270 mg/kg (rabbit)
Inhalative	LC50/4h	3 mg/l (ATE)
<b>CAS: 67-56-1 methanol</b>		
Oral	LD50	100 mg/kg (ATE)
Dermal	LD50	300 mg/kg (ATE)
Inhalative	LC50/4h	3 mg/l (ATE)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

**Information on components:**

<b>CAS: 7647-01-0 hydrochloric acid</b>		
Irritation of skin	OECD 404	(rabbit: burns)
Irritation of eyes	OECD 405	(rabbit: burns)
<b>CAS: 67-56-1 methanol</b>		
Irritation of skin	OECD 404	(rabbit: no irritation)
Irritation of eyes	OECD 405	(rabbit: no irritation)

- **Respiratory or skin sensitisation** May cause an allergic skin reaction.

**Information on components:**

<b>CAS: 7647-01-0 hydrochloric acid</b>		
Sensitisation	OECD 406	(negative) (EPA OPP 81-6: Guinea pig maximisation test)
<b>CAS: 67-56-1 methanol</b>		
Sensitisation	OECD 406	(guinea pig: negative)

- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

- **Carcinogenicity** May cause cancer.

- **Reproductive toxicity** Based on available data, the classification criteria are not met.

**Information on components:**

<b>CAS: 67-56-1 methanol</b>		
OECD 471	(negative)	(Salmonella typhimurium)
OECD 476	(negative)	
OECD 474	(negative)	

- **STOT (specific target organ toxicity) -single exposure** Based on available data, the classification criteria are not met.

- **STOT (specific target organ toxicity) -repeated exposure** Based on available data, the classification criteria are not met.

- **Aspiration hazard** Based on available data, the classification criteria are not met.

**Information on likely routes of exposure**

Exposure to hydrochloric acid is possible during occupational handling due to contact with the skin and inhalation of vapors. The main intake pathway is considered to be via the respiratory tract.

Gastrointestinal tract: Specific kinetic studies are not available. They are considered not necessary because gastric juice already contains a high concentration of hydrochloric acid which is physiologically conditioned. Following ingestion, local effects are therefore of priority. [GESTIS]

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<b>Additional toxicological information:</b>	
<b>CAS: 7647-01-0 hydrochloric acid</b>	
(source: GESTIS) Main toxic effects Acute: Irritation and corrosion to the eyes, airways and skin, danger of severe damage to the eyes and lungs, following ingestion, concentration-dependent damage to the gastrointestinal tract Chronic: Airway diseases, damage to the teeth, gastrointestinal disorders  Further Information: The acute action of hydrochloric acid is based on the locally damaging effects on contacted tissues which are primarily dependent on the concentration. Following repeated contact with the skin, even diluted hydrochloric acid can cause skin damage (reddening, drying, fissures, dermatitis). The critical effect following repeated inhalative exposure is irritation to the respiratory tract.	
<b>CAS: 67-56-1 methanol</b>	
(source: GESTIS) Main toxic effects: Acute: Irritant effect on the eyes, CNS depression, systemic damage to the eyes chronic: neurological symptoms, irritation of the nasal mucosa from exposure to higher vapor concentrations, skin damage from repeated contact.  Symptoms may be delayed. (Merck)	

**11.2 Information on other hazards**
**Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

**Other information**

According to the information available to us, the chemical, physical and toxicological properties of the substances mentioned in Chapter 3 have not been thoroughly investigated.

## SECTION 12: Ecological information

**12.1 Toxicity**

<b>Aquatic toxicity:</b>	
<b>CAS: 7647-01-0 hydrochloric acid</b>	
EC50	20.5 mg/l/96h (bluegill) (OECD 203) (Merck)
<b>CAS: 50-00-0 formaldehyde</b>	
EC50	2 mg/l/48h (Daphnia magna)
LC50	100 mg/l/96h (bluegill) IUCLID 24 mg/l/96h (fathhead minnow)
<b>CAS: 67-56-1 methanol</b>	
EC50	>10000 mg/l/48h (Daphnia magna) (MERCK - IUCLID)
EC50	~22000 mg/l/96h (Pseudokirchneriella subcapitata) (OECD 201) (MERCK)
NOEC	7900 mg/l (fish) (200h) (Orzias latipes)
LC50	15400 mg/l/96h (bluegill)
<b>Other information:</b> Toxic for fish: HCl > 25 mg/l	
<b>12.2 Persistence and degradability</b>	
<b>CAS: 50-00-0 formaldehyde</b>	
OECD 301 D	90 (.) (Closed Bottle Test)
<b>CAS: 67-56-1 methanol</b>	
OECD 301 D	99 % / 30 d (readily biodegradable) (Closed Bottle Test)

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· <b>12.3 Bioaccumulative potential</b>	
CAS: 50-00-0 formaldehyde	
log Pow	0.021 (.)
CAS: 67-56-1 methanol	
log Pow	-0.77 (.) (experimental)
· <b>Bioconcentration factor (BCF)</b>	
CAS: 67-56-1 methanol	
BCF	1 (carp) (72d, 20°C, 5mg/l)
· <b>12.4 Mobility in soil</b> No further relevant information available.	
· <b>12.5 Results of PBT and vPvB assessment</b> This mixture does not contain any substances that are assessed to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB), according to the criteria given in Annex XIII of Regulation (EC) No. 1907/2006.	
· <b>12.6 Endocrine disrupting properties</b> The product does not contain substances with endocrine disrupting properties.	
· <b>12.7 Other adverse effects</b> Harmful effect due to pH shift. Forms corrosive mixtures with water even if diluted. Avoid transfer into the environment.	
· <b>Water hazard:</b> Do not allow product to reach ground water, water bodies or sewage system. Danger to drinking water if even small quantities leak into soil.	

### SECTION 13: Disposal considerations

· <b>13.1 Waste treatment methods</b>	
· <b>Recommendation</b> Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Hand over to disposers of hazardous waste.	
· <b>European waste catalogue</b>	
16 05 06*	laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals
· <b>Uncleaned packagings:</b>	
· <b>Recommendation:</b> Disposal must be made according to official regulations.	
· <b>Recommended cleaning agent:</b> Water, if necessary with cleaning agent.	

### SECTION 14: Transport information

· <b>14.1 UN number or ID number</b>	
· ADR, IMDG, IATA	UN1789
· <b>14.2 UN proper shipping name</b>	
· ADR	1789 HYDROCHLORIC ACID solution
· IMDG, IATA	HYDROCHLORIC ACID solution
· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR</b>	
	
· <b>Class</b>	8 (C1) Corrosive substances.
· <b>Label</b>	8
· <b>IMDG, IATA</b>	
	
· <b>Class</b>	8 Corrosive substances.

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· Label	8
· 14.4 Packing group · ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user · Kemler Number: · EMS Number: · Segregation groups · Stowage Category	Warning: Corrosive substances. 80 F-A,S-B (SGG1) Acids E
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category · Tunnel restriction code	3 E
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

### SECTION 15: Regulatory information

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

##### · Poisons Act UK

##### · Regulated explosives precursors

The concentration of the substance is less than the stated mass percentage and should still be considered as reportable substance:

CAS: 7647-01-0   hydrochloric acid	10%
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##### · Regulated poisons

None of the ingredients is listed.

##### · Reportable explosives precursors

None of the ingredients is listed.

##### · Reportable poisons

The concentration of the substance is less than the stated mass percentage and is therefore of no concern:

CAS: 50-00-0   formaldehyde	5%
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##### · Regulation (EU) 2019/1148 on the marketing and use of explosives precursors not regulated

##### · Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals (PIC)

None of the ingredients is listed.

##### · Regulation (EC) No 1334/2000 setting up a Community regime for the control of exports of dual-use items and technology:

None of the ingredients is listed.

##### · Regulation (EC) No 273/2004 on drug precursors

CAS: 7647-01-0   hydrochloric acid	3
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##### · Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

CAS: 7647-01-0   hydrochloric acid	3
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##### · Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:

None of the ingredients is listed.

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# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 25.10.2023

Version number 3 (replaces version 2)

Revision: 25.10.2023

**Product name: KS6293 - Acide Chlorohydrique Passive**

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· <b>REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)</b>
None of the ingredients is listed.
· <b>LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)</b>
None of the ingredients is listed.

- **Substances of very high concern (SVHC) according to REACH, Article 57**  
This product does not contain any substances of very high concern above the legal concentration limit of  $\geq 0.1\%$  (w / w).
- **Substances of very high concern (SVHC) according to UK REACH**  
This product does not contain any substances of very high concern above the legal concentration limit of  $\geq 0.1\%$  (w / w).
- **Directive 2012/18/EU (SEVESO III):**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 28, 69, 72
- **Information about limitation of use:**  
Employment restrictions concerning young persons must be observed (94/33/EC).  
Employment restrictions concerning pregnant and lactating women must be observed (92/85/EEC).
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Training hints** Provide adequate information, instruction and training for operators.
- **Relevant phrases**  
H225 Highly flammable liquid and vapour.  
H290 May be corrosive to metals.  
H301 Toxic if swallowed.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H331 Toxic if inhaled.  
H335 May cause respiratory irritation.  
H341 Suspected of causing genetic defects.  
H350 May cause cancer.  
H370 Causes damage to organs.
- **Abbreviations and acronyms:**  
OECD: Organisation for Economic Co-operation and Development  
STOT: specific target organ toxicity  
SE: single exposure  
RE: repeated exposure  
EC50: half maximal effective concentration  
IC50: half maximal inhibitory concentration  
NOEL or NOEC: No Observed Effect Level or Concentration  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised 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 (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (UK REACH)  
PNEC: Predicted No-Effect Concentration (UK REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 2: Flammable liquids – Category 2  
Met. Corr. 1: Corrosive to metals – Category 1  
Acute Tox. 3: Acute toxicity – Category 3  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Skin Sens. 1: Skin sensitisation – Category 1  
Muta. 2: Germ cell mutagenicity – Category 2  
Carc. 1B: Carcinogenicity – Category 1B  
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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**· Sources**

Data arise from safety data sheets, reference works and literature.

ECHA: European CHemicals Agency <http://echa.europa.eu>

GESTIS- Stoffdatenbank (Substance Database, Germany)

**· \* Data compared to the previous version altered.**

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