

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Bello Zon Säure 9 %

Print date: 20.04.2011

Product code: 100094

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

Product identifier

Bello Zon Säure 9 %

Further trade names

: 950132; 950131; 1027594

Product group: Eigenproduktion
 Abbreviation: BelloZon acid. 9%
 CAS No.: 7647-01-0
 Index No.: 017-002-00-2
 EC No.: 231-595-7

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

Details of the supplier of the safety data sheet

Company name: ProMinent Dosiertechnik GmbH (PROMINENT)
 Street: Im Schuhmachergewann 5-11
 Place: DE-69123 Heidelberg
 Post-office box: 101760
 DE-69007 Heidelberg
 Telephone: 0049/6221 842 (0) Telefax: 0049/6221 842 (445)
 Contact person: Abteilung Technik/ Umwelt Telephone: +49(0)6221 842-720
 e-mail: sicherheitsdatenblaetter@prominent.de
 Internet: www.prominent.com
 Responsible Department: Abteilung T/U (Technik/Umwelt)
 Gefahrstoffmanagement/Operational management of Hazardous Substances
 REACh Compliance

Emergency telephone: Giftnotruf Berlin +49 (0)30 - 19240

Further Information

For use in industrial installations or professional treatment only.

SECTION 2: Hazards identification

Classification of the substance or mixture

Indications of danger : Irritant
 R-phrases:
 Irritating to eyes.
 Irritating to skin.

GHS classification

Hazard categories:
 Substance or mixture corrosive to metals: Met. Corr. 1
 Skin corrosion/irritation: Skin Corr. 1C
 Skin corrosion/irritation: Skin Irrit. 2
 Serious eye damage/eye irritation: Eye Dam. 1

Label elements

Pictograms: GHS07



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SECTION 3: Composition/information on ingredients

Mixtures

Chemical characterization

HYDROCHLORIC ACID

Sum formula: HCl

Molecular weight: 36,45

Hazardous components

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
231-595-7	hydrogen chloride	5 - 10 %
7647-01-0	T, C R23-35	
017-002-00-2	Acute Tox. 3, Skin Corr. 1A; H331 H314	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures

Description of first aid measures

After inhalation

In case of inhaling spray mists, consult a doctor .

After contact with skin

After contact with skin, wash immediately with plenty of Water and soap. Change contaminated clothing.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water.

SECTION 5: Firefighting measures

Extinguishing media

Special hazards arising from the substance or mixture

Material is not combustible.

SECTION 6: Accidental release measures

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

Suitable material for diluting or neutralizing: Water. lime

SECTION 7: Handling and storage

Precautions for safe handling

Advice on protection against fire and explosion

not applicable

Conditions for safe storage, including any incompatibilities

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SECTION 8: Exposure controls/personal protection
Control parameters
Exposure limits (EH40)

CAS No.	Chemical name	ml/m ³	mg/m ³	F/ml	Category	Origin
7647-01-0	Hydrogen chloride (gas and aerosol mists)	1	2		TWA (8 h)	WEL
		5	8		STEL (15 min)	WEL

Exposure controls
Hand protection

Tested protective gloves are to be worn:

Eye protection

Tightly sealed safety glasses.

SECTION 9: Physical and chemical properties
Information on basic physical and chemical properties

Physical state: liquid
 Colour: colourless
 Odour: pungent

Test method

pH-Value (at 20 °C): 0,5

Changes in the physical state

Density (at 20 °C): 1,05 g/cm³
 Water solubility: highly soluble.

SECTION 10: Stability and reactivity
Incompatible materials

Exothermic reactions with: Alkalis (alkalis).
 Possibly extensive generation of hydrogen on contact with amphoteric metals (e.g. aluminium, lead, zinc) - explosive hazard!

SECTION 11: Toxicological information
Information on toxicological effects
Acute toxicity

Acute toxicity, oral LD50: >2000mg/kg
 Irritant effect on the skin: irritant.

SECTION 12: Ecological information
Toxicity

aquatoxicity Acute fish toxicity LC50: > 2000mg/L (calculated. , Quelle: Hommel)

Persistence and degradability

Inorganic product which is not eliminable from water through biological cleaning processes.

Bioaccumulative potential

No indication of bio-accumulation potential.

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SECTION 13: Disposal considerations

Waste treatment methods

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
Classified as hazardous waste.

Waste disposal number of contaminated packaging

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

SECTION 14: Transport information

Land transport (ADR/RID)

UN number: 1789
UN proper shipping name: HYDROCHLORIC ACID
Transport hazard class(es): 8
Packing group: II
 Hazard label: 8
 Classification code: C1
 Limited quantity: LQ22
 Hazard-no.: 80

Other applicable information (land transport)

: 520
 : 2

Inland waterways transport

UN number: 1789
Transport hazard class(es): 8
Packing group: II
 Classification code: C1

Marine transport

UN number: 1789
Transport hazard class(es): 8/II UN 1789

Air transport

Transport hazard class(es): 8 UN 1789 PAX 809 CAO 813

Other applicable information

Notmaßnahmen: EMS 8-03, MFAG 700.

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

Andere nationale Vorschriften: Schweiz: Giftklasse 3

National regulatory information

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Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information**Full text of R-phrases referred to under sections 2 and 3**

- 23 Toxic by inhalation.
- 35 Causes severe burns.
- 36 Irritating to eyes.
- 38 Irritating to skin.

Full text of H-Statements referred to under sections 2 and 3

- H314 Causes severe skin burns and eye damage.
- H331 Toxic if inhaled.

Further Information

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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