

SAFETY DATA SHEET



Product Name:

A5

Version No. 2	Revision date 01-06-2015	Initial issue date 03-06-2003
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1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY

1.1 Product Identifier	A5	
1.2 Relevant/Use(s)/misuse(s)	Industrial	
1.3 SDS Supplier	Beacon Water Treatments Limited Parsons Hall Industrial Estate High Street Irchester NN29 7AB 01604 505735 (Office hours)	Telephone: 01933 410066
1.4 Emergency Telephone		Competent Person e-mail: trevor@rising-hsande.co.uk

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP/GHS)

Skin Corr. 1A H314

2.1.2 Additional information

For text of hazard statements, see section 16

2.2 LABELLING ELEMENTS

2.2.1 Labelling in accordance with EC Regulation No 1272/2008 (CLP/GHS)

Pictogram(s):



Signal word

DANGER

Hazard statement(s)

H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

Precautionary statement(s)

P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.
P312 CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.
P301+330+331 IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING.
P303+361+353 IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER.
P304+340 IF INHALED: REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.
P305+351+338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

2.3 Other hazards None known

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation AQUEOUS ACIDIC SOLUTION

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
HYDROCHLORIC ACID	7647-01-0	231-595-7	Met. Corr. 1 H290; Skin Corr. 1B H314; STOT SE3 H335	8-12%

4. FIRST AID MEASURES

4.1 Description of measures

Inhalation	If inhaled, provide fresh air, warmth, rest and if necessary, seek medical advice.
Skin contact	Immediately clean areas of skin affected with soap and plenty of water. If necessary, seek medical advice.
Eye contact	Immediately wash out eye thoroughly with plenty of water until irritation subsides. CONSULT AN EYE SPECIALIST/OPHTHALMOLOGIST.
Ingestion	If product is swallowed, do NOT induce vomiting. Drink plenty of water; if necessary, seek medical advice.

4.2 Most important effects/symptoms None known.

4.3 Immediate/special treatment Treatment as described above.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media	To suit local surroundings (e.g. water mist, carbon dioxide, foam, chemical powder for large fires). Do not use water jet. The product is not flammable
5.2 Special hazards	Decomposition products released in a fire should be considered as probably harmful if inhaled.
5.3 Advice for fire fighters	Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions	Adhere to personal protective measures.
6.2 Environmental precautions	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
6.3 Methods and materials for cleaning up	Take up with absorbent material, e.g. sand, sawdust, into tightly closed containers. Label container and dispose of as prescribed.
6.4 Reference to other sections	See section 8 for personal protective equipment.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling	Handle in accordance with good hygiene and safety practice.
7.2 Conditions for safe storage	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry. Avoid high temperatures.
7.3. Specific end use(s)	Industrial

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Controls parameters	There are no occupational exposure limit values available (WELdata for HCl is for gas or aerosol mist). Comply with good practice for the control of exposure.
8.2 Exposure controls	
Engineering controls	Ensure adequate ventilation of working area.
Personal protection	Observe normal standards for handling chemicals. Wash hands before breaks and after work. Avoid contact with skin and eyes. Wear personal protective equipment appropriate to the task (see below)
Eye protection	Safety goggles (e.g. EN 166) if splashing is likely.
Skin protection	Gloves (e.g. Nitrile (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Approved respirator if ventilation is insufficient.
Other protection	Protective overall

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Basic physical and chemical properties

Physical form	Liquid
Colour	Colourless
Odour	Pungent
Odour threshold	No data available
pH	< 1
Boiling pt / range	From 100 °C
Melting pt / range	Not determined °C
Flash point	Not applicable °C
Auto ignition temp.	Not applicable °C
Evaporation rate	Not applicable
Relative density	1.00 – 1.05
Flammability	Not applicable
Explosion limits	Not applicable
Vapour pressure	Not applicable
Relative vapour density	Not determined
Water solubility	Miscible
Thermal decomposition	No data available
Viscosity	Not applicable
Partition coefficient	Log P _{o/w} = Not determined
Explosive properties	Not applicable
Oxidising properties	Not applicable
9.2 Other information	None known

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10. STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions of handling.
10.2 Chemical stability	Stable
10.3 Hazardous reactions	None known.
10.4 Conditions to avoid	None known.
10.5 Incompatible material	The product can corrode metals with evolution of hydrogen.
10.6 Hazardous decomposition products	None

11. TOXICOLOGICAL INFORMATION

11.1 information on toxicological effects

Acute toxicity	LD ₅₀ rabbit (oral)	900 mg/kg	Data for 36% hydrochloric acid
Dermal compatibility	No data available		
Mucous membrane compatibility	Fumes can cause irritation or damage to respiratory tract and eyes.		

12. ECOLOGICAL INFORMATION


12.1 Toxicity	LC ₅₀	shrimp	300 ppm	Data for 36% hydrochloric acid, 48hrs
12.2 Degradability	No data available			
12.3 Bioaccumulative potential	Not determined			
12.4 Mobility in soil	Not determined			
12.5 PBT/vPvB assessment	Not applicable			
12.6 Other adverse effects	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.			

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment measures

Advice on disposal	In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
Contaminated packaging	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

14.1 United Nations number	UN 1769 (ADR, IMDG, IATA)	
14.2 Proper shipping name	HYDROCHLORIC ACID (ADR, IMDG, IATA)	
14.3 Transport class(s)	8 (ADR, IMDG, IATA)	
14.4 Packing group	III (ADR, IMDG, IATA)	
14.5 Environmental hazards	The product should not be marked as a marine pollutant. (ADR, IMDG, IATA)	
14.6 Special procedures	Not applicable (ADR, IMDG, IATA)	
14.7 Transport in bulk	Not applicable (ADR, IMDG, IATA)	

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15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations

The product is classified in accordance with EC Regulation 1272/2008 (CLP). Other regulatory information and provisions are not applicable for this product.

15.2 Chemical safety assessment

Not applicable

16. OTHER INFORMATION

Further information

The SDS has been revised in accordance with EC Regulation 1272/2008 (CLP). The product has been classified using an additivity formula or the tiered approach using generic concentration limits [Regulation (EC) No 1272/2008]

Hazard statements referred to in sections 2/3

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

Sources of data

Other suppliers' safety data sheets, EH40(2011), ECHA C&L Inventory

Date of issue

01-06-2015

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. It should not be construed as guaranteeing specific properties.