

# SAFETY DATA SHEET



<b>Product Name:</b>	<b>A 5</b>	<b>SDS Reference</b>	014
<b>Version No.</b> 1	<b>Revision date</b>	<b>Authorisation date</b>	02-06-2003

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

<b>Product Name</b>	A 5
<b>Synonym (s)</b>	
<b>Company Identification</b>	<b>Beacon Water Treatments Limited</b> <b>Parsons Hall Industrial Estate</b> <b>High Street</b> <span style="float: right;"><b>Telephone 01933 410066</b></span> <b>Irchester `NN29 7AB</b>
<b>Emergency Telephone</b>	<b>01604 505735</b>

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<b>Chemical Characterisation</b>	AQUEOUS HYDROGEN CHLORIDE SOLUTION			
<b>Chemical name</b>	<b>CAS-No</b>	<b>EINECS/ELINCS</b>	<b>Classification</b>	<b>Concentration</b>
HYDROCHLORIC ACID	7647-01-0	231-595-7	C: R34 Xi: R37	5-15%

## 3. HAZARDS IDENTIFICATION

**Physical & Chemical:** NOT CLASSIFIED



**Health:** IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN  
THE PRODUCT CONTAINS A SUBSTANCE WHICH HAS AN OCCUPATIONAL EXPOSURE LIMIT (OEL).

**IRRITANT**

**Environmental:** ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO BE HARMLESS TO THE ENVIRONMENT

## 4. FIRST AID MEASURES

<b>General information</b>	Remove contaminated clothing immediately, to be disposed of or washed before re-use.
<b>Inhalation</b>	Remove casualty to fresh air and provide warmth and rest; if necessary, seek medical advice
<b>Skin contact</b>	Clean areas of skin affected immediately with soap and plenty of water; if necessary, seek medical advice.
<b>Eye contact</b>	Wash out eye thoroughly with plenty of water until irritation subsides. If necessary (e.g. irritation persists) consult an eye specialist/ophthalmologist.
<b>Ingestion</b>	If product is swallowed, do NOT induce vomiting. Drink plenty of water and seek medical advice. .

**5. FIRE FIGHTING MEASURES**

<b>General hazard</b>	THE PRODUCT IS NOT FLAMMABLE
<b>Extinguishing media</b>	To suit local surroundings (e.g. water spray, carbon dioxide, foam, chemical powder)
<b>Extinguishing media not to be used</b>	
<b>Special exposure hazards</b>	Decomposition products released in a fire should be considered as probably harmful if inhaled.
<b>Protective equipment</b>	Wear self-contained breathing apparatus.
<b>Further information</b>	

**6. ACCIDENTAL RELEASE MEASURES**

<b>Methods for cleaning up</b>	Adhere to personal protective measures. Take up with absorbent material, e.g. sand, sawdust, into tightly closed containers. Label container and dispose of as prescribed.
<b>Environmental considerations</b>	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
<b>Further information</b>	

**7. HANDLING & STORAGE**

<b>Advice on safe handling</b>	Handle in accordance with good hygiene and safety practice. Keep away from incompatible substances
<b>Storage conditions</b>	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry..
<b>Further information</b>	

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Exposure controls</b>	There are no occupational exposure limit values available for the product. However, they are available for hydrogen chloride. LTEL (8 hour TWA): 1 ppm 2 mg/m <sup>3</sup> OES data for HCl (EH40/2002) STEL (15 min.): 5 ppm 8 mg/m <sup>3</sup> OES data for HCl (EH40/2002)
<b>Engineering controls</b>	Ensure adequate ventilation of working area. Provide local exhaust ventilation when using large quantities.
<b>Personal protection</b>	Observe normal standards for handling chemicals. Wash hands before breaks and after work. Avoid contact with eyes and skin and inhalation of vapour. Wear personal protective equipment appropriate to the task (see below)
<b>Eye protection</b>	Safety goggles
<b>Skin protection</b>	Gloves (PVC, Nitrile – also consider your own risk assessment.)
<b>Respiratory protection</b>	Approved respirator if ventilation is insufficient.
<b>Other protection</b>	Protective overall.

**9. PHYSICAL & CHEMICAL PROPERTIES**

Physical form	Liquid
Colour	Colourless
Odour	Pungent
pH	< 1.0
Boiling pt / range	From 100 °C
Melting pt / range	Not determined.
Flash point	Not applicable °C
Specific gravity	1.00 -1.05
Explosive limits	Lower: % (v/v) Higher: % (v/v)
Viscosity	
Water solubility	Miscible

**10. STABILITY & REACTIVITY**

Stability	Stable under normal conditions of handling.
Thermal decomposition	Not determined.
Conditions to avoid	Not determined.
Material to avoid	The product can corrode metals with evolution of hydrogen.
Hazardous reactions	Not determined.
Hazardous decomposition products	Heating can cause evolution of hydrogen chloride gas.

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity	LD <sub>50</sub> rabbit (oral)	900 mg/kg	(data for 36% Hydrochloric acid)
	LC <sub>50</sub> rat (inhal)	4700 ppm	30 min (data for HCl gas)
Dermal compatibility	No data available.		
Mucous membrane compatibility	No data available.		
Further information	Fumes can cause irritation or damage to respiratory tract and eyes.		

**12. ECOLOGICAL INFORMATION**

Acute toxicity	LC <sub>50</sub>	Shrimp	300 ppm	48 hours (data for 36% Hydrochloric acid)
Degradability	No data available.			
Further information	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.			

**13. DISPOSAL CONSIDERATIONS**

<b>Advice on disposal</b>	In accordance with national and local authority regulations, e.g. controlled waste.
<b>Contaminated packaging</b>	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

**14. TRANSPORT INFORMATION**

<b>United Nations number</b>	UN 1789
<b>Packaging group</b>	III
<b>IMDG code</b>	8/1789/III
<b>RID / ADR</b>	8/1789/III
<b>Marine pollutant</b>	The product should not be marked as a marine pollutant.
<b>Proper shipping name</b>	HYDROCHLORIC ACID
<b>Emergency action code</b>	2R

**15. REGULATORY INFORMATION**

**Classification & labelling** The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP 3)



**IRRITANT**

<b>Risk phrases</b>	R36/37/38	IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN
<b>Safety phrases</b>	S25	AVOID CONTACT WITH EYES.
	S26	IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
	S37/39	WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION.

**16. OTHER INFORMATION****Further information****Risk phrases referred to in section 2**

R34: Causes burns.  
R37: Irritating to respiratory system

**Sources of data** Other suppliers' safety data sheets, Approved Supply List

**Date of issue** 02-06-2003

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.

Data sheet prepared by Rising HS&E Services.