

# SAFETY DATA SHEET



<b>Product Name:</b>		<b>HCL</b>	
<b>Version No.</b>	2	<b>Revision date</b>	01-06-2015
		<b>Initial issue date</b>	03-06-2003

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND OF THE COMPANY

<b>1.1 Product Identifier</b>	HCL		
<b>1.2 Relevant/Use(s)/misuse(s)</b>	Industrial		
<b>1.3 SDS Supplier</b>	Beacon Water Treatments Limited Parsons Hall Industrial Estate High Street Irchester NN29 7AB		<b>Telephone:</b> 01933 410066
<b>1.4 Emergency Telephone</b>	01604 505735 (Office hours)	<b>Competent Person e-mail:</b> 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)

<b>Pictogram(s):</b>		<b>Signal word</b>	DANGER
<b>Hazard statement(s)</b>	H314	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.	
<b>Precautionary statement(s)</b>	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	28-32 %

### 4. FIRST AID MEASURES

#### 4.1 Description of measures

<b>Inhalation</b>	If inhaled, provide fresh air, warmth, rest and if necessary, seek medical advice.
<b>Skin contact</b>	Immediately clean areas of skin affected with soap and plenty of water. If necessary, seek medical advice.
<b>Eye contact</b>	Immediately wash out eye thoroughly with plenty of water until irritation subsides. CONSULT AN EYE SPECIALIST/OPHTHALMOLOGIST.
<b>Ingestion</b>	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

<b>5.1 Extinguishing media</b>	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
<b>5.2 Special hazards</b>	Decomposition products released in a fire should be considered as probably harmful if inhaled.
<b>5.3 Advice for fire fighters</b>	Wear self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

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

### 7. HANDLING AND STORAGE

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

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>8.1 Controls parameters</b>	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.
<b>8.2 Exposure controls</b>	
<b>Engineering controls</b>	Ensure adequate ventilation of working area.
<b>Personal protection</b>	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)
<b>Eye protection</b>	Safety goggles (e.g. EN 166) if splashing is likely.
<b>Skin protection</b>	Gloves (e.g. Nitrile (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
<b>Respiratory protection</b>	Approved respirator if ventilation is insufficient.
<b>Other protection</b>	Protective overall

## 9. PHYSICAL & CHEMICAL PROPERTIES

### 9.1 Basic physical and chemical properties

<b>Physical form</b>	Liquid
<b>Colour</b>	Colourless
<b>Odour</b>	Pungent
<b>Odour threshold</b>	No data available
<b>pH</b>	< 1
<b>Boiling pt / range</b>	From 100 °C
<b>Melting pt / range</b>	Not determined °C
<b>Flash point</b>	Not applicable °C
<b>Auto ignition temp.</b>	Not applicable °C
<b>Evaporation rate</b>	Not applicable
<b>Relative density</b>	1.00 – 1.05
<b>Flammability</b>	Not applicable
<b>Explosion limits</b>	Not applicable
<b>Vapour pressure</b>	Not applicable
<b>Relative vapour density</b>	Not determined
<b>Water solubility</b>	Miscible
<b>Thermal decomposition</b>	No data available
<b>Viscosity</b>	Not applicable
<b>Partition coefficient</b>	Log P <sub>o/w</sub> = Not determined
<b>Explosive properties</b>	Not applicable
<b>Oxidising properties</b>	Not applicable
<b>9.2 Other information</b>	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 <sub>50</sub> 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 <sub>50</sub>	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.**

Data sheet prepared by Rising HS&E Services.