



## 9. PHYSICAL AND CHEMICAL PROPERTIES:

<b>Appearance:</b>	Colourless	<b>Flammability:</b>	Not applicable
<b>Boiling Point:</b>	100°C	<b>Flashpoint:</b>	Not applicable
<b>Solubility in Water:</b>	Soluble 20°C		

## 10. STABILITY AND REACTIVITY:

<b>Stability:</b>	Hydrochloric Acid will loose strength over time.
<b>Conditions to Avoid:</b>	Excessive temperatures.
<b>Materials to Avoid:</b>	Acids, Oxidizing Agents, Alkalis and other chemicals eg cyanides, nitrates, sulphates, bleaches and other cleaning agents. Liberates carbon dioxide from carbonates and bicarbonates.
<b>Hazardous decomposition products:</b>	Hydrogen gas and chlorine.

## 11. TOXICOLOGICAL INFORMATION:

<b>Skin Contact:</b>	Liquid: Severe irritation and burns on prolonged contact. Vapour: Severe irritation may cause burns at high concentration.
<b>Eye Contact:</b>	Liquid: Severe injury Vapour: Severe irritation and damage at high concentration. Irritant at low concentration.
<b>Effects of Inhalation:</b>	When Inhaled: Irritation to the eyes, nose, throat and upper respiratory tract. (Acute effect) Severe exposure will result in coughing, wheezing, shortness of breath, chest pain and may cause lung damage. When Inhaled: Prolonged or frequent exposure will result in erosion of teeth, may cause (Chronic effect) damage to the mucous membranes and lungs. Irritant effects provide adequate warning of exposure to harmful levels.
<b>Ingestion:</b>	Acute: Severe irritation and corrosion of the mouth, throat and digestive tract.

**12. ECOLOGICAL INFORMATION:** Specific Hazards: Toxic to aquatic forms. >280ppm in freshwater and 100ppm in saltwater can be lethal. Lowering of pH below 5 will induce fatalities in aquatic life.

**13. DISPOSAL CONSIDERATIONS:** Dispose of in accordance with local and national authority. Use licensed waste disposal contractor. Do not mix with other waste materials.

**14. TRANSPORT INFORMATION:** CPL:Hydrochloric Acid (Dilute) UN NO1789; IMO:

## 15. REGULATORY INFORMATION:

R36/38	Irritating to eyes and skin.
R37	Irritating to respiratory systems.
S26	In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice.
S2	Keep out of reach of children.
R51/53	Toxic to aquatic organisms, may cause long term effects in the aquatic environment.
S29/56	Do not empty into drains, dispose of material and container as hazardous waste or take to a special waste collection point.
S37	Wear suitable protective gloves.
S46	If swallowed seek medical advice immediately and show container label.
S51	Use only in well ventialed areas.
S61	Avoid release to the environment. Refer to special instructions/ safety data sheets.



EEC Symbol

Xi Irritant

## 16. OTHER INFORMATION:

*The data contained in this Safety Data Sheet has been supplied as required by the Chemical (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.*

*Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information. This information is given in good faith, being based on the latest knowledge available to Bond It. No known relevant information has been omitted from this Material Safety Data Sheet and the information provided is designed to enable the user to use the product safely. The user should not assume on the basis of the information provided in this sheet that the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, contact Bond It for further advice before the proposed application is undertaken.*