

# Hydrochloric Acid

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## SPECIFICATIONS

Characteristic	Range
Chemical Formula	HCl
Specific Gravity	1.145 (at 27/27 deg C )
Hydrochloric Acid (as HCL)	30.0 % min.
Sulphate (as H <sub>2</sub> SO <sub>4</sub> )	0.1 % max.
Iron (as Fe +3)	1.00 ppm max.
Free Chlorine	0.02 % max.
Mercury (as Hg)	0.01 ppm max.
Residue on Ignition	0.01 % max.

## Properties

- Hydrochloric Acid is a clear and colourless liquid.
- It is toxic, threshold limit is 5 ppm.
- It is corrosive.

## Stability

Hydrochloric acid is thermally stable up to approximately 1500' C but appreciable dissociation occurs above this temperature. It is an aggressive reagent and attacks almost all metals and alloys.

## Uses

It finds use in metal cleaning, decaling, bleaching, hydrolysing agent and industrial solvent for inorganic compounds.

- Steel packing	- Food processing
- Ore refining	- Activation of petroleum wells
- Hydrolyzing agents	- Catalyst in organic process
- Scale removal	- Removal of heavy metal carbon black and activated carbon.

## Packaging and Supply

In Tanker Load.

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