

HYDROCHLORIC ACID

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Karun Petrochemical Company

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Property	Specification	Analytical Method
Appearance	Clear liquid	
Purity, Wt%	Min.30 - Max 32	DENORA CH13
Fe, ppm	Max.3	ASTM D2790
ODCB, ppm	Max.3	H600.0500
Density g/cm ³	1.15	
Color (Platinum Cobalt) _{APHA}	< 40	
Residue on Ignition ppm	< 20	
Chlorine Content ppm	< 15	
Sulfate Ion Content ppm	< 10	
Sulfite ion Content ppm	< 10	
Heavy Metals Content	ppm	None

⇒ Hydrochloric acid is a solution of hydrogen chloride (HCl) in water, that is a highly corrosive, strong mineral acid with many industrial uses.

• Application areas

- ✓ Acidizing of petroleum wells
- ✓ Demineralizers and resin regeneration
- ✓ Dye manufacturing
- ✓ Cleaning products
- ✓ Ore reduction
- ✓ Gelatin
- ✓ Pickling and metal surface cleaning
- ✓ Synthetic Rubber
- ✓ Water Treatment
- ✓ Pharmaceuticals
- ✓ Food Processing
- ✓ Manufacture of Chemical Intermediates
- ✓ Industrial acidizing
- ✓ Plastics and Polymers
- ✓ Rigid, "pour-in-place" foams – for use in appliances, and, in smaller amounts, packaging
- ✓ Urethane sealants – used in construction applications
- ✓ Cast elastomers – for production of articles such as roller blade wheels

• Handling and storage conditions

Hydrochloric acid is a corrosive product. In contact with some metals, it releases hydrogen (flammable). Hydrochloric acid is currently stored in lined steel or certain types of plastic materials:

Lined steel:

Vinyl ester, epoxy or ebonite are suitable liners.

Plastics:

Plastic tanks may be used if the supplier specifications are strictly followed.

- **Packing details**

Bulk, In Road tankers

- **Licenser: Chematur**