

TECHNICAL DATA SHEET

Hydrochloric Acid | CAS 7647-01-0

1. Product Identification

Product Name	Hydrochloric Acid
CAS Number	7647-01-0
Synonyms	Muriatic acid, HCl, Chlorohydric acid, Spirit of salt
Category	Acid
Available Grades	Technical/35%/LR/AR/Electronic Grade
HSN Code	2806.10
UN Number	UN1789

2. Physical & Chemical Properties

Molecular Formula	HCl
Molecular Weight	36.46
Appearance	Colourless to pale yellow fuming liquid
Density	1180 kg/m ³
Boiling Point	−27°C (const. boiling)
Melting Point	−114°C
Flash Point	None
Solubility	Miscible with water

3. Applications

• pH control • Metal pickling • Chemical synthesis • Food processing • Pharmaceutical manufacturing • Lab reagent

4. Industries Served

Chemical, Food, Pharmaceutical, Metal, Research

5. Packing & Supply

Standard industrial packing. Bulk and customised packing available on request. Export supply with full documentation (COA, MSDS, COO, Packing List).

Values are typical and given in good faith as a guide to product characteristics; they do not constitute a specification or guarantee. Refer to the batch COA for certified values.