



# Product Specification

cdhfinechemical.com

## HYDROCHLORIC ACID 37% ACIPUR

PRODUCT CODE	845065	
SYNONYMS	Hydrogen chloride	
C.I. NO.	--	
CASR NO.	7647-01-0	
ATOMIC OR MOLECULAR FORMULA	HCl	HCl
ATOMIC OR MOLECULAR WEIGHT	36.46	
PROPERTIES	--	
PARAMETER	LIMIT	
Description	A clear colorless fuming liquid color not more than 10 hazen.	
Solubility	Miscible with water.	
Minimum assay (acidimetric)	37.0%	
Wt per ml at 20 °C	1.183 – 1.189 g	
MAXIMUM LIMIT OF IMPURITIES		
Free chloride	0.00005%	
Residue on ignition	0.0005%	
Ammonium	0.0001%	
Phosphate (PO <sub>4</sub> )	0.00005%	
Sulphate (SO <sub>4</sub> )	0.0001%	
Aluminium (Al)	0.00002%	
Arsenic (As)	0.00001%	
Barium (Ba)	0.00001%	
Beryllium (Be)	0.000002%	
Bismuth (Bi)	0.00005%	
Cadmium (Cd)	0.0000005%	
Calcium (Ca)	0.0001%	
Chromium (Cr)	0.00002%	
Cobalt (Co)	0.000001%	
Copper (Cu)	0.000001%	
Iron (Fe)	0.00002%	
Lead (Pb)	0.000005%	
Lithium (Li)	0.000002%	
Magnesium (Mg)	0.00003%	
Manganese (Mn)	0.000001%	
Mercury (Hg)	0.00001%	
Molybdenum (Mo)	0.000005%	
Nickel (Ni)	0.00002%	
Potassium (K)	0.00002%	
Bromide	0.005%	
Heavy metals (as Pb)	0.00001%	
Sulphite	0.00005%	
Sodium (Na)	0.00004%	
Strontium (Sr)	0.000002%	
Thallium (Tl)	0.000005%	



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Titanium (Ti)	0.000005%
Vanadium (v)	0.000002%
Zinc (Zn)	0.000005%
Zirconium (Zr)	0.000005%
Residue on evaporation	0.01%

**Note(s): Assay (if applicable) method mentioned.**

## WARNING

**HAZARD DANGER** Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.

## PRECAUTIONARY STATEMENTS

**Prevention:** Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash . thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well- ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

**Response: IF SWALLOWED:** Call a POISON CENTER or doctor/physician if you feel unwell. **IF ON SKIN:** Wash with plenty of soap and water. **IF INHALED:** Remove victim to fresh air and keep at rest in a position. comfortable for breathing. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove. Contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before re- use

**Disposal :** The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber

Hazard Pictogram(s) :



GHS05



GHS07

IMDG Code : 8/III

UN No. : 1789

IATA : 8

Replace date 28-Nov-2025