





# Product Specification

cdhfinechemical.com

## HYDROCHLORIC ACID (1.18) AR

PRODUCT CODE	544475	
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	7647-01-0	
ATOMIC OR MOLECULAR FORMULA	HCl	HCl
ATOMIC OR MOLECULAR WEIGHT	36.46	
PROPERTIES	Noncombustible.	
PARAMETER	LIMIT	
Description	A clear liquid not more than 10 Hazen units in colour.	
Solubility	Miscible with water forming clear solution.	
Minimum assay (acidimetric)	35.4%	
Wt. per ml at 20°C	About 1.18g	
MAXIMUM LIMIT OF IMPURITIES		
Non-Volatile matter	0.001%	
Free chlorine (Cl)	0.0002%	
Sulphate (SO <sub>4</sub> )	0.0005%	
Sulphite (SO <sub>3</sub> )	0.0001%	
Aluminium (Al)	0.00005%	
Ammonium (NH <sub>4</sub> )	0.0003%	
Arsenic (As)	0.000002%	
Copper (Cu)	0.00001%	
Iron (Fe)	0.00004%	
Lead (Pb)	0.00005%	
Note(s) : Assay (if applicable) method mentioned.		
DANGER		IMDG Code : 8/III
Hazard statements: Toxic if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage. Harmful to aquatic life with long lasting effects.		UN No. : 1789
Precautionary statements		IATA : 8
Prevention: Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust or mist.		
Response: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment: refer to Label or MSDS. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Absorb spillage to prevent material damage.		
Disposal: Dispose of contents and container in accordance with relevant legislation.		
Hazard Pictogram(s) :-		
 		
GHS06 GHS05		

Replace date 11-Sep-2025