



Quality Control Dept.

Product Specification

Product	:	Hydrochloric Acid – LR
CASR No.	:	7647-01-0
Molecular Formula	:	HCl
Molecular Weight	:	36.46 g/mol
Parameter		Limit
Description	:	A clear liquid not more than 10 Hazen units in color
Assay (Titration with NaOH)	:	35 to 37 %, as per requirement
Relative Density	:	Abt. 1.18
_		Maximum Limits of Impurities
Residue on Ignition	:	100 ppm
Free Chlorine	:	5 ppm
Sulphate (SO ₄)	:	10 ppm
Sulphite	:	10 ppm
Ammonium (NH ₄)	:	10 ppm
Arsenic (As)	:	1 ppm
Iron (Fe)	:	1 ppm
Heavy Metals (Pb)	:	5 ppm
Hazard Statement	:	Fatal if inhaled. Harmful if swallowed. May be corrosive to metals. Causes
		severe skin burns and eye damage. Wear protective gloves/clothing and eye/face protection. Wash hands
Prevention	:	thoroughly after handling. Wear respiratory protection. Do not breathe
		dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Do not eat, drink or smoke when using this product. Do not breathe dust
		or mist. Wash thoroughly after handling.
Response		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. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Keep container tightly closed. IF INHALED: Remove to fresh air
	:	and keep at rest in a position comfortable for breathing. Specific treatment:
		refer to MSDS. If on skin or hair: remove/take off immediately all
		contaminated clothing. Rinse with water/shower. Absorb spillage to prevent
		material damage. Immediately call a POISON CENTER or doctor/physician.
Hazard Pictograms	:	
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		Acute toxicity Corrosive to metals
IMDG Code	:	8/II
UN No.	:	1789
IATA	:	8