

## NAME TAG

- Liquid Hydrochloric Acid
- Liquid HCl

## MAIN APPLICATIONS

- Surface treatment / Cleaning in steel industry and galvanization
- Acidification of oil wells
- Calcium chloride manufacturing
- Regeneration of exchange ion resins
- Water treatment
- pH Regulation
- Glycerin treatment

PHYSICAL PROPERTY	
Determination	Specification
Odor	Pungent
pH,-	≤ 1

SPECIFICATIONS		
Determination	Specification	Typical Values *
HCl, wt%	33% (-2/+3)	35.3
Density à 20°C	1.164	1.176
Color, hazen	≤ 20	4.3
Iron (Fe), mg/kg	≤ 1	0.3
Oxidizing Material, mg/kg	≤ 30	6.6
Organic components, mg/kg	≤ 1	0.3
Sulfates, mg/kg	≤ 20	0.02
Arsenic (As), mg/kg	≤ 0.05	0.02
Cadmium (Cd), mg/kg	< 0.35	0.01
Chromium (Cr), mg/kg	< 1.05	0.02
Mercury (Hg), mg/kg	< 0.1	0.01
Nickel (Ni), mg/kg	< 1.05	0.03
Lead (Pb), mg/kg	< 1	0.15
Antimony (Sb), mg/kg	< 0.35	0.06
Selenium (Se), mg/kg	< 1.75	0.05

## HYDROCHLORIC ACID 33% LIQUID COMPLIES TO :

- Standard EN 939 requirements of hydrochloric acid used for water treatment intended for human consumption.

## SAFETY - STORAGE - HANDLING - LABELING - TRANSPORT – REGULATION

- Store in sealed packaging, in a dry well-ventilated place.
- -Recommended materials for storage and handling: glass, plastics, graphite, coated steel
- For Further information refer to the safety data sheet (available on request)

### INVENTORIES REGISTRATION

N° CAS : 7647-01-0  
N° EINECS : 231-595-7  
N° REACH : 01-2119484862-27-0092

### CONDITIONING - PACKAGING

27 tons Bulk Truck or iso container.  
65 tons tank wagon.

*Ebonite interior coating or with compatible resin base*

### IMPORTANT

The information given on this sheet is based on our knowledge of the product at the time of publication and given in good faith. They have only one indicative value and imply, consequently, no engagement of our share. The attention of the user is drawn to the possible risk incurred by using the product for any other use than that for which it was intended. We guarantee that our products respect our specifications of sales. These specifications should not replace the essential preliminary tests to make sure of the adequacy of the product to the use considered. It is up to the users to make sure of the respect of the local legislation and to obtain the homologations and authorizations possibly necessary. The users are invited to check that they are in possession of the last version of this document; we remain at their disposal to provide any additional detail..

