



USIQUÍMICA

IDENTIFICATION				
Chemical Name	Hydrochloric Acid 33%			
Formula	HCL			
CAS No.	7647-01-0			
PHYSICOCHEMICAL CHARACTERISTICS				
Aspect	Colorless liquid to slightly yellowish.			
Characteristic	Unit	Minimum	Maximum	Method
Concentration (m/m HCl)	%	32.0	-	IT-8.2.4-4
Density (20°C)	g/mL	1.155	-	IT-8.2.4-4
Iron (Fe)	mg/L	-	5.0	Technical specification of the product supplier
Free chlorine (Cl ₂)	mg/L	-	5	
Mercury (Hg)	mg/L	-	0.5	
MAIN APPLICATIONS				
Pickling of metals, cleaning of surfaces, manufacture of chlorides, wastewater treatment, acidification of cationic resin, alkali neutralizer, among others.				
ADDITIONAL INFORMATION				
ONU No.:	1789			
Risk No.	80			
Packing	Barrel, drums, polyethylene containers or bulk.			
Cautions	Toxic and corrosive product, causes burns to the skin, can be fatal if swallowed or inhaled. In contact with metals, it can release explosive gases.			
Storage	Cool and airy place, sheltered from sun light. It must not be stored in uncoated containers or near to alkalis.			
Validity:	Six months, depending on storage ideal conditions.			
Legal Requirements	Product controlled by Federal Police - FP.			
Specifications	Code	Revision	Date	Page
	20.1789.1.00.7	04	5/8/2009	01/01
Issued: Valdeci José Benedito			Approved: Wagner Coelho	
Signature:			Signature:	

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