PIOCHEM

Technical Data Sheet

Version:01
Revision Date 19/11/2026

Product name	Hydrochloric acid 0.5%		
Mol.Formula	HCl	**CAS No.**	7647-01-0
Mol.wt.	36.46 g\mol	**Storage condition**	at a temperature not exceeding 30 °C

Sr.no.	Item test	units	Specification
1.	**Appearance**		Clear, colourless liquid.
2.	**Solubility**		Miscible with water.
3.	**Free chlorine**	ppm	Max 4 ppm
4.	**Sulfate**	ppm	Max 20 ppm
5.	**Sulfite**		Passes test
6.	**Assay**	%	About 0.5%

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Corrosive to Metals Category 1
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 1

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word Danger

Hazard statements May be corrosive to metals.
Causes skin irritation. Causes serious eye damage.

Precautionary statements

Prevention: Keep only in original container. Wear eye/face protection. Wear protective gloves. Wash face, hands, and any exposed skin thoroughly after handling.
IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.
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.

Storage: Store in corrosive resistant polypropylene container with a resistant inliner.
Disposal: Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None identified.