



## Technical Data Sheet

Version:01

Revision Date 06/01/2025

|              |                       |                   |                                       |
|--------------|-----------------------|-------------------|---------------------------------------|
| Product name | Hydrochloric acid 37% |                   |                                       |
| 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, colorless, fuming liquid. |
| 2.     | solubility             |       | Miscible with water.             |
| 3.     | Relative density       | g/cm3 | 1.179-1.189                      |
| 4.     | Free chlorine          | ppm   | Max 4                            |
| 5.     | Sulfate                | ppm   | Max 20                           |
| 6.     | Residue on evaporation | %     | Max 0.01                         |
| 7.     | Assay                  | %     | 36.5-38                          |





## Section 2. Hazards Identification

### Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Corrosive to metals (Category 1), H290 Skin corrosion (Category 1B), H314

Specific target organ toxicity - single exposure (Category 3), Respiratory system,

### Label elements

#### Labelling according Regulation (EC) No 1272/2008

Pictogram



**Signal word**          Danger

### Hazard statement(s)

**H290** May be corrosive to metals.

**H314** Causes severe skin burns and eye damage.

**H335** May cause respiratory irritation.

### Precautionary statement(s)

**P261** Avoid breathing vapours.

**P280** Wear protective gloves/ protective clothing/ eye protection/ face protection.

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P310** Immediately call a POISON CENTER/doctor.

### Supplemental Hazard Statements

#### Other hazards

none

**This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.**

