



Product name:

**Hydrochloric acid 37 %**

**Synonyms:** Hydrogen chloride solution

**CAS number:** 7647-01-0

|                             |   |  |
|-----------------------------|---|--|
| <i>General information:</i> |   |  |
|                             | <b>Chemical formula:</b> HCl            | <b>Molar Mass:</b> 36.46 g/mol                 |
|                             | <b>Appearance:</b> Colorless liquid     | <b>Density:</b> 1.18 g/cm <sup>3</sup> (20 °C) |
|                             | <b>Solub. in water:</b> Soluble (20 °C) | <b>Melting point:</b> -40 °C                   |
|                             | <b>Boiling point:</b> 110 °C            | <b>Flash point:</b> 11 °C                      |
|                             | <b>Storage temp.:</b> Below +30 °C      | <b>Cautions:</b> Corrosive                     |
|                             | <b>R:</b> 34-37                         | <b>S:</b> 26-36/37/39-45                       |
|                             | <b>HS-No.:</b> 2806 10 00               | <b>EC-Index-No.:</b> 231-595-7                 |

Hazard Symbol



Safety Information

Grade

EP

|                       |                                     |   |             |     |
|-----------------------|-------------------------------------|---|-------------|-----|
| <b>Specification:</b> |                                     |   |             |     |
|                       | Assay                               |   | 35.0 – 39.0 | %   |
|                       | Solubility                          |   | Conforms    |     |
|                       | Identification (A)                  |   | Conforms    |     |
|                       | Identification (B)                  |   | Conforms    |     |
|                       | Identification (C)                  |   | Conforms    |     |
|                       | Relative density                    | ~ | 1.18        |     |
|                       | Appearance of solution              |   | Conforms    |     |
|                       | Free Chlorine                       | ≤ | 4           | ppm |
|                       | Sulfates                            | ≤ | 20          | ppm |
|                       | Residue on evaporation              | ≤ | 0.01        | %   |
|                       | Elemental Impurities & Heavy Metals |   | See COA     |     |
|                       | Residual solvents                   |   | See COA     |     |

|                      |    |           |    |      |           |
|----------------------|----|-----------|----|------|-----------|
| <b>Ordering code</b> | 1L | 2.5 L     | 5L | 10 L | 20L       |
| P.E.                 |    |           |    |      | Per order |
| Glass                |    | Per order |    |      |           |