

# Potassium Chloride



## 1. IDENTIFICATION

CHEMICAL NAME: Potassium Chloride

CHEMICAL FORMULA: KCl

CAS No.: 7447-40-7

EINECS No.: 231-211-8

MOLECULAR WEIGHT: 74,551 g/mol

## 2. FEATURES

### Specifications

| METHOD | PROPERTIES                         | VALUE | UNITS | TOLERANCE |
|--------|------------------------------------|-------|-------|-----------|
| (*)    | Potassium Oxide (K <sub>2</sub> O) | 59,5  | % w/w | Minimum   |
| (*)    | Humidity                           | 1     | % w/w | Maximum   |

### Typical Characteristics

| METHOD | PROPERTIES                                 | VALUE               | UNITS             | TOLERANCE |
|--------|--------------------------------------------|---------------------|-------------------|-----------|
| Visual | Visual appearance                          | White thin crystals | -                 | -         |
| -      | Potassium Chloride (KCl)                   | 94                  | % w/w             | Minimum   |
| -      | Sodium Chloride (NaCl)                     | 2,8                 | % w/w             | Maximum   |
| -      | Magnesium content (Mg)                     | 0,2                 | % w/w             | Maximum   |
| -      | Calcium content (Ca)                       | 0,02                | % w/w             | Maximum   |
| -      | Anti-caking                                | 0,25                | Kg/ton            | Maximum   |
| -      | Apparent Density                           | 1.1 – 1.3           | g/cm <sup>3</sup> | -         |
| -      | Granulometry (cumul.)                      |                     |                   |           |
|        | at 0.420 mm                                | 7,0                 | % w/w             | (Typical) |
|        | at 0,105mm                                 | 89,0                | % w/w             | (Typical) |
|        | Granulometry between 0.420 mm and 0.105 mm | 70                  | % w/w             | Minimum   |

## 3. APPLICATION

- Aluminium industry
- Anodizing and Electroplating
- Industrial Effluent Treatment
- Animal Feed Industry
- Cleaning and Disinfection
- Industry of Fertilizers

## 4. PRESENTATION

Bags /pallets.