

Cadmium chloride 2,5-hydrate, EssentQ®**Identification**

CdCl₂·2,5H₂O
M = 228,34 g/mol
CAS [7790-78-5]
EC number: 640-998-0
Taric code: 2827 39 80

Applications

analytical chemistry, laboratory reagent, electrolyte for batteries, metal alloys, in solders (aluminium), in galvanotechnia.

Specifications

assay (complexometric).....	98 - 102 %	arsenic (As).....	max. 1 ppm
insoluble in water.....	max. 0,01 %	copper (Cu).....	max. 0,002 %
nitrates and nitrites (as NO ₂).....	max. 0,02 %	iron (Fe).....	max. 0,002 %
sulfates (SO ₄).....	max. 0,01 %	lead (Pb).....	max. 0,01 %
ammonium (NH ₄).....	max. 0,02 %	zinc (Zn).....	max. 0,05 %

Physical data

- Spec. Density: 3,32 g/cm³
- Solub. in water: (25 °C): freely soluble

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H301: Toxic if swallowed.
- H330: Fatal if inhaled.
- H340: May cause genetic defects.
- H350: May cause cancer.
- H360: May damage fertility or the unborn child.
- H372: Causes damage to organs through prolonged or repeated exposure.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
- P284: Wear respiratory protection.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P320: Specific treatment is urgent (see on this label).
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 T5 II • UN 2570 • CADMIUM COMPOUND(Cadmium chloride 2,5-hydrate)
- IMDG: 6.1 II • UN 2570 • CADMIUM COMPOUND(Cadmium chloride 2,5-hydrate)
- IATA/ICAO: 6.1 II • UN 2570 • CADMIUM COMPOUND(Cadmium chloride 2,5-hydrate)
- PAX: 613
- CAO: 615
- 15°C - 25°C