

Identification

CrCl₃·6H₂O

M = 266,45 g/mol

CAS [10060-12-5]

EC number: 233-038-3

Taric code: 2827 39 85

Applications

analytical chemistry, synthesis of polymers, synthesis of organic products, for the synthesis of: chromium salts, corrosion inhibitor.

Specifications

assay (iodometric).....min. 97 %	copper (Cu)..... max. 0,001 %
identification..... passes test	iron (Fe)..... max. 0,03 %
pH (5 %, H ₂ O)..... 2 - 3	lead (Pb)..... max. 0,005 %
sulfates (SO ₄).....max. 0,05 %	non precipitable by NH ₄ OH (as SO ₄).....max. 0,2 %

Physical data

- Appearance: crystals, green
- Spec. Density: 2,76 g/cm³
- Bulk density: ~ 700 kg/m³
- Solub. in water: (20 °C): 590 g/l
- Melting point: 95 °C
- pH(50g/l H₂O, 20 °C) 2 - 3

Safety - GHS

Signal Word: Warning

Hazard Statements:

H290: May be corrosive to metals.

H302: Harmful if swallowed.

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.



Precautionary Statements:

P261: Avoid breathing dust / fume / gas / mist / vapours / spray.

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

P321: Specific treatment (see on this label).

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P406: Store in corrosive resistant container with a resistant inner liner.

P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 8 C2 II • UN 3260 • CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.(Chromium(III) chloride hexahydrate)
- IMDG: 8 II • UN 3260 • CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.(Chromium(III) chloride hexahydrate)
- IATA/ICAO: 8 II • UN 3260 • CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.(Chromium(III) chloride hexahydrate)
- PAX: 859
- CAO: 863
- 15°C - 25°C