

## Identification

CrCl<sub>3</sub>·6H<sub>2</sub>O

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 <sub>2</sub> O)..... 2 - 3        | lead (Pb)..... max. 0,005 %  |
| sulfates (SO <sub>4</sub> )..... max. 0,05 % | non precipitable by NH <sub>4</sub> OH (as SO <sub>4</sub> )..... max. 0,2 % |

## Physical data

- Appearance: crystals, green
- Spec. Density: 2,76 g/cm<sup>3</sup>
- Bulk density: ~ 700 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 590 g/l
- Melting point: 95 °C
- pH(50g/l H<sub>2</sub>O, 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