

Cobalt (II) chloride

Product Stewardship Summary

Chemical Name:	Cobalt (II) chloride
Synonyms:	Cobalt chloride (CoCl ₂), Cobaltous chloride
CAS Number:	7646-79-9
EC (EINECS) Number:	231-589-4
Revision number:	1-2026

- **Chemical identification and uses:** Cobalt (II) chloride is an inorganic compound of cobalt and chlorine that appears as a blue crystalline powder in its anhydrous form. The compound is used as a laboratory chemical namely as a precursor to other cobalt compounds. It can also be used in certain medical research applications.
- **Potential exposures:** Exposure to Cobalt (II) chloride can occur in industrial/manufacturing facilities and/or during laboratory or consumer use where the chemical compound is handled. Workers, laboratory personnel, and consumers risk exposure primarily through inhalation, skin and eye contact. Good manufacturing and industrial hygiene practices should be followed to prevent or reduce contact. See the Safety Data Sheet (SDS) for additional information.
- **Human Health hazards:** With regards to acute human health effects, Cobalt (II) chloride is harmful if swallowed, may cause an allergic skin reaction, causes serious eye damage, and may cause allergy or asthma symptoms or breathing difficulties if inhaled. With regards to chronic human health effects, Cobalt (II) chloride may cause cancer by inhalation, genetic defects, damage fertility or the unborn child, and/or damage to organs through prolonged or repeated exposure. It is also suspected of causing genetic defects. Cobalt (II) chloride is classified as a confirmed animal carcinogen, per ACGIH, and is a Group 1B (possibly carcinogenic to humans) per IARC. One should refer to See the Safety Data Sheet (SDS) for additional information and any protective information.
- **Environmental Health hazards:** Per the Globally Harmonized System (GHS), Cobalt (II) chloride is very toxic to aquatic life with long lasting effects. As such, any waste contents/ container should be disposed of an approved waste disposal plant, per all applicable environmental regulations
- Please contact us at PSCustomerCare@Solstice.com for more information. Additional information may also be found at the following links:

[EPA - Cobalt\(II\) chloride](#)

[Pubchem - Cobalt\(II\) chloride](#)