



Copper cyanide

Product Stewardship Summary

Chemical Name:	Copper cyanide
Synonyms:	Cupricin, Cuprous cyanide
CAS Number:	544-92-3
EC (EINECS) Number:	208-883-6
Revision number:	1-2024

- **Chemical identification and uses:** Copper(I) cyanide is an inorganic compound with the formula CuCN. This off-white solid occurs in two polymorphs; impure samples can be green due to the presence of Cu(II) impurities. The compound is useful as a catalyst, in electroplating copper and iron, silver plating brass plating, and copper-tin alloy plating, and as a reagent in the preparation of nitriles. It is also used as a polymerization catalyst, insecticide, fungicide (marine paints), and reagent (Sandmeyer reaction).
- **Potential exposures:** Exposure to it can occur in industrial/manufacturing facilities and/or during use as laboratory chemicals in research settings. Users risk exposure primarily through inhalation and skin contact. Produces toxic oxides of nitrogen in fires. Good manufacturing and industrial hygiene practices for Copper cyanide should be followed to prevent or reduce contact. See the Safety Data Sheet (SDS) for additional information.
- **Human Health hazards:** Toxic by skin absorption, through open wounds, by ingestion, and by inhalation of hydrogen cyanide that arises from slight decomposition. One should refer to See the Safety Data Sheet (SDS) for additional information and any protective information. Copper Cyanide has not been tested for its ability to cause cancer in animals.
- **Environmental Health hazards:** it is toxic to aquatic life and biodegradability in aquatic environment has not been ascertained. It should not be released into environment.
- Please contact us at ESSPSCustomerCare@Honeywell.com for more information. Additional information on Copper cyanide may also be found at the following links:

[EPA – Copper cyanide](#)

[PubChem- Copper Cyanide](#)

This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Material Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.