

# ***Cadmium acetate-2-hydrate***

## ***Product Stewardship Summary***

Chemical Name:	Cadmium acetate-2-hydrate
Synonyms:	Diacetoxycadmium dihydrate Cadmium acetate dihydrate Cadmium acetate dihydrate
CAS Number:	5743-04-4
EC (EINECS) Number:	611-525-5
Revision number:	1-2026

- **Chemical identification and uses:** Cadmium acetate-2-hydrate appears as colorless crystalline powder. Cadmium metal has specific properties that make it suitable for a wide variety of industrial applications. These include: excellent corrosion resistance, low melting temperature, high ductility, high thermal and electrical conductivity. Traditionally, the most common end-use applications for cadmium were pigments, stabilizers, and coatings. However, in recent years, the use of cadmium for these purposes has declined, mainly due to concerns over the toxicity of cadmium. Cadmium acetate-2-hydrate is used to make other cadmium compounds which are used in semiconductors and battery industries.
- **Potential exposures:** Exposure to cadmium acetate-2-hydrate can occur in industrial/manufacturing facilities and/or during use as laboratory chemicals in research settings. The substance can be absorbed into the body by inhalation of its aerosol, through the skin and by ingestion. Good manufacturing and industrial hygiene practices for cadmium acetate-2-hydrate should be followed to prevent or reduce contact. See the Safety Data Sheet (SDS) for additional information.
- **Human Health hazards:** This substance can be harmful if swallowed, in contact with skin or if inhaled. Cadmium compounds are identified as known or suspected carcinogen by NTP, IARC, or ACGIH. These chemicals are known to the State of California to cause cancer and birth defects or other reproductive harm. One should refer to See the Safety Data Sheet (SDS) for additional information and any protective information.
- **Environmental Health hazards:** It is very toxic to aquatic organisms and may cause long-lasting adverse effects to the aquatic life.
- Please contact us at [PSCustomerCare@Solstice.com](mailto:PSCustomerCare@Solstice.com) for more information. Additional information cadmium acetate-2-hydrate may also be found at the following links:
  - [PubChem – Cadmium acetate-2-hydrate](#)
  - [Toxicological profile for Cadmium](#)

*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.*