

## PRODUCT STEWARDSHIP SUMMARY

# Copper(II) acetate-1-hydrate



Chemical Name:	Copper(II) acetate-1-hydrate
Synonyms:	Cupric acetate monohydrate,
CAS Number:	6046-93-1
CAS Name:	
EC (EINECS) Number:	611-978-9
Last Revision Date:	February 2019

- Copper(II) acetate-1-hydrate is a laboratory chemical with numerous investigational uses. It has been successfully incorporated into photovoltaic cells capable of converting light into direct current electricity that can then be used to power equipment or recharge a battery.
- Exposure to copper(II) acetate-1-hydrate is primarily to those who work in industrial settings manufacturing the chemical as well as laboratories in which it is handled. It may be inhaled, ingested and come in contact with the skin or eyes. Good manufacturing and industrial hygiene practices should be followed to prevent or reduce exposure. Workplace exposure limits for this substance have been established for use in worksite safety programs. See the Safety Data Sheet (SDS) for additional information. Users of products containing copper(II) acetate-1-hydrate should follow manufacturer's use and/or label instructions.
- Copper(II) acetate-1-hydrate is a blue-green, odorless solid that is soluble in water. In contact with fire, copper(II) acetate-1-hydrate can decompose to release hazardous copper and carbon oxides.
- Although not highly toxic, it can be harmful if swallowed and can damage the lining of the the mouth, throat, and esophagus. Copper(II) acetate-1-hydrate is corrosive and direct contact with the skin should be avoided as it can cause severe skin burns and serious eye damage. It is not considered to cause allergic skin reactions.

- Studies in rodents have shown that high oral doses of copper can be toxic to a fetus and cause developmental effects. However, Copper(II) acetate-1-hydrate is not known to cause reproductive or developmental harm.
- This substance is not classified as genotoxic or carcinogenic. This substance is not considered a known or anticipated carcinogen by OSHA, NTP or IARC.
- Copper(II) acetate-1-hydrate is very toxic to aquatic organisms and may produce long-lasting effects. Care should be taken not to flush this chemical into surface water or sewer systems.
- Please **contact us** for more information. Additional information may also be found at the following links:

**PubChem - Cupric Acetate Monohydrate**

**PubMed - Investigational use in photovoltaic cells**

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.

