Honeywell

# *Cadmium sulfate*

## *Product Stewardship Summary*

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| Chemical Name: | Cadmium sulfate |
| Synonyms: | Cadmium(2+);sulfate<br>Cadmium sulfate, hydrate (3:8)<br>Cadmium sulfate, tetrahydrate |
| CAS Number: | 10124-36-4 |
| EC (EINECS) Number: | 233-331-6 |
| Revision number: | 1-2022 |

- **Chemical identification and uses**: Cadmium sulfate appears as colorless crystalline substance. 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. Cadmium sulfate is used in electrodeposition (cadmium, copper, and nickel), phosphors, catalysts, nematocides, fungicides, bactericides, lubricants, and Weston cell electrolytes; pigments and electroplating; as an accelerator in cement formation.

- **Potential exposures:** Exposure to Cadmium sulfate 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 sulfate should be followed to prevent or reduce contact. See the Safety Data Sheet (SDS) for additional information.

- **Human Health hazards:** Cadmium sulfate is toxic if swallowed or in contact with skin and can be fatal if inhaled. It may damage fertility or the unborn child, cause cancer or genetic defects. It causes damage to organs through prolonged or repeated exposure. Cadmium compounds are identified as known or suspected carcinogen by NTP, IARC, or ACGIH. These chemicals are known to the State of California (Prop 65) 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 life, may cause long-lasting adverse effects on the aquatic life.

- Please contact us at PMTPSCustomerCare@Honeywell.com for more information. Additional information Cadmium sulfate may also be found at the following links:

  PubChem – Cadmium Sulfate
  Toxicological profile of 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.*