



Serving Scientific Community
Since 1985



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
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CADMIUM METAL

1. Product Identification

Trade name : Cadmium metal

Product code : A-39203

Identification of the product: Cadmium

CAS No : 7440-43-9

EC No : 231-152-8

2. Composition and Information on Ingredients

Cadmium CAS No : 7440-43-9 Substance.

Substance name	Contents	CAS No	EC No
Cadmium	100 %	7440-43-9	231-152-8

Contains no other components or impurities which will influence the classification of the product

3. Hazards Identification

Hazard statements

: H330: Fatal if inhaled.
H350: May cause cancer.
H341: Suspected of causing genetic defects.
H361f: Suspected of damaging fertility.
H372 : Causes damage to organs through prolonged or repeated exposure.
H371: May cause damage to organs.
H410: Very toxic to aquatic life with long lasting effects.
H361d: Suspected of damaging the unborn child.

Precautionary statements

- General : P201: Obtain special instructions before use.
 - Prevention : P284: Wear respiratory protection.
P271: Use only outdoors or in a well-ventilated area.
P260: Do not breathe dust, fume, gas, mist, vapours, spray.
P273: Avoid release to the environment.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
 - Response : P309+P311: If exposed or if you feel unwell: Call a Poison Centre or doctor.
P391: Collect spillage.
P304+P340: If inhaled : Remove to fresh air and keep at rest in a position comfortable for breathing.
P314: Get medical advice if you feel unwell.
 - Storage : P403+P233: Store in well-ventilated place. Keep container tightly closed.
P405: Store locked up.
 - Disposal considerations : P501: Dispose of this material and its container to hazardous or special Waste collection point, in accordance with local, regional, national and/or international regulation.
- Other hazards : The substance does not fulfill the criteria to be identified as PBT substance or vPvB substance

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.



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4. First Aid Measures

- Inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Centre or doctor.
- Skin contact : Wash with plenty of soap and water.
- Eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.
- Ingestion : Rinse mouth. Do not induce vomiting.
- Symptoms relating to use : May cause cancer. Suspected of causing genetic defects. Causes damage to organs through prolonged or repeated exposure. Fatal if inhaled. Suspected of damaging fertility.
- General information : Never give anything by mouth to an unconscious person. If exposed or concerned: get medical advice.

5. Fire Fighting Measures

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.
- Surrounding fires : Use water spray or fog for cooling exposed containers.
- Hazardous combustion products : Under fire conditions, hazardous fumes will be present.
- Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

6. Accidental Release Measures

- For emergency responders : Equip cleanup crew with proper protection. Ventilate area. Avoid breathing dust, fume, gas, mist, vapours, spray.
- For non-emergency personnel : Evacuate unnecessary personnel.
- Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.
- Clean up methods : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.
- Reference to other sections : See section 8. Exposure controls/personal protection

7. Handling and Storage

- Personal protection : Do not breathe dust, fume, gas, mist, vapours, spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.
- Handling : Use personal protective equipment as required. Do not breathe dust, fume, gas, mist, vapours, spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Obtain special instructions before use. Do not breathe dust, fume, gas, mist, vapours, spray. Use only outdoors or in a well-ventilated area.
- Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.
- Storage : Keep only in the original container in a cool, well ventilated place. Keep Container tightly closed.
- Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.



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8. Exposure Controls/Personal Protection

Exposure controls

Personal protection

- Respiratory protection : Avoid all unnecessary exposure.
: Where exposure through inhalation may occur from use, respiratory Protection equipment is recommended. Wear respiratory protection.
- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Others : When using, do not eat, drink or smoke.

Occupational Exposure Limits : No data available

9: Physical and Chemical Properties

Physical state at 20°C	: Solid.
Colour	: Silver gray sticks
Odour	: Odorless
Odour threshold	: No data available.
pH value	: No data available.
Melting point [°C]	: 320 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Flash point [°C]	: N/A
Boiling point [°C]	: 765 °C
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm ³]	: 8.64
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Insoluble
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm ² /s]	: N/A

10: Stability and Reactivity Data

Reactivity	: Not established.
Chemical stability	: Stable under recommended storage conditions.
Hazardous reactions	: Not established.
Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
Materials to avoid	: Strong acids. Strong bases.
Hazardous decomposition	: Fumes. Carbon monoxide. Carbon dioxide.
Products	



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11: Toxicological Information

Acute toxicity

- Inhalation : Fatal if inhaled.
 - Dermal : Based on available data, the classification criteria are not met.
 - Ingestion : Based on available data, the classification criteria are not met.
- Corrosion : Based on available data, the classification criteria are not met.
Irritation : Based on available data, the classification criteria are not met.
Sensitization : Based on available data, the classification criteria are not met.
Mutagenicity : Suspected of causing genetic defects.
Carcinogenicity : May cause cancer.
Toxic for reproduction : Suspected of damaging fertility.
STOT-single exposure : Causes damage to organ.
STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard : Based on available data, the classification criteria are not met.

Section 12: Ecological Information

- Toxicity information : Toxic to aquatic life with long lasting effects.
Persistence - degradability : May cause long-term adverse effects in the environment.
Bioaccumulative potential : Not established.
Mobility in soil : Not established.
Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance
Environmental precautions : Avoid release to the environment.

13. Disposal Considerations

Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

- Proper Shipping Name : Cadmium Compounds
Hazard Class : 6.1
Packing Group : I
UN/NA : UN2570

15. Regulatory Information

- Safety, health and environmental: Ensure all national/local regulations are observed.
regulations/legislation specific for the substance or mixture
Chemical Safety Assessment : It has not been carried out.

16. Other Information

- Product Use : Laboratory Reagent/ Industrial. For professional use only