



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
Website : www.technopharmchem.com

CADMIUM OXIDE

1. Product Identification

Trade name : Cadmium Oxide

Product code : 30555

Identification of the product : Cadmium Oxide

CAS No : 1306-19-0

2. Composition and Information on Ingredients

Cadmium Oxide CAS No : 1306-19-0 Substance.

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

3. Hazards Identification

Hazard statements

: H330: Fatal if inhaled.

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.

Precautionary statements

• 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

4. First Aid Measures

Inhalation

: Specific treatment is urgent (see on this label). Immediately call a Poison Centre or doctor. Remove to fresh air and keep at rest in a position comfortable for breathing.

Skin contact

: Wash with plenty of soap and water.

Eye contact

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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- Ingestion : Rinse mouth. Do not induce vomiting.
Symptoms relating to use : Causes damage to organs through prolonged or repeated exposure. Fatal if inhaled. May cause damage to organs.
- General information : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- 5. Fire Fighting Measures**
- Fire : Not considered to be a fire hazard.
Explosion : Not considered to be an explosion hazard.
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 product : 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 : Avoid (reject) fire-fighting water to enter environment.
- 6. Accidental Release Measures**
- For emergency responders : Equip cleanup crew with proper protection. Ventilate area.
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.
Clean up methods : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.
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 only outdoors or in a well-ventilated area. Do not breathe dust, fume, gas, mist, vapours, spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.
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.
- 8. Exposure Controls/Personal Protection**
- Exposure controls :
Personal protection : Avoid all unnecessary exposure.
• Respiratory protection : Wear approved mask.
• 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

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9: Physical and Chemical Properties

Physical state at 20°C	: Solid.
Colour	: Dark brown
Odour	: Odorless
Odour threshold	: No data available.
pH value	: Not applicable
Melting point [°C]	: 950°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]	: 1559°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]	: 8.15
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Insoluble in water
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 Products	: Fumes. Carbon monoxide. Carbon dioxide.

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	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.
Toxic for reproduction	: Based on available data, the classification criteria are not met.

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STOT-single exposure : Causes damage to organs
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 Oxide
Hazard Class : 6.1
Packing Group : III
UN/NA : UN2570

15. Regulatory Information

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

16. Other Information

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