



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 ACETATE DIHYDRATE MATERIAL SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product form : Substance  
EC-No. : 208-853-2  
CAS No. : 5743-04-4  
Product code : 30545, 30546  
Formula :  $(\text{CH}_3\text{COO})_2\text{Cd}\cdot 2\text{H}_2\text{O}$

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Industrial/professional use spec : Industrial  
For professional use only :  
Use of the substance/mixture : Laboratory Reagent

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the manufacturer of the safety data sheet

Techno Pharmchem  
Plot No.1022, Modern Industrial Estate,  
Bahadurgarh-124507, India  
T +91 11 23646422  
info@technopharmchem.com

#### 1.4. Emergency telephone number

Emergency number: +91 11 23646422 (9:30am – 5.30pm)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008[CLP]

Acute toxicity (oral), H302

Category 4

Acute toxicity (dermal), H312

Category 4

Acute toxicity (inhal.), H332

Category 4

Hazards to the aquatic H410

environment- chronic

hazard, category 1

Full text of hazard classes and H- statements: see section 16

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Classification according to directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

N; R20/21/22

N; R50/53

Full text of R-phrases: see section16

### **Adverse physicochemical, human health and environmental effects**

No additional information available

#### **2.2. Label elements**

Labeling according to regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Warning
Hazard statements (CLP)	:	H302+H312+H332 – Harmful if swallowed, in contact with skin or if inhaled. H410 – Very toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	:	P273 – Avoid release to the environment. P280 – Wear protective gloves, protective clothing, eye protection, face protection. P501 – Dispose of contents/container to hazardous or special waste collection point, in accordance with local regional, national and/or international regulation.

#### **2.3. Other hazards**

No additional information available

### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### **3.1. Substances**

Name	:	CADMIUM ACETATE DIHYDRATE
CAS-No.	:	5743-04-4
EC-No.	:	208-853-2

Full text of R- and H- statements: see section 16

#### **3.2. Mixtures**

Not applicable

### **SECTION 4: FIRST AID MEASURES**

First – aid measures after inhalation	:	Assure fresh air breathing. Allow the victim to rest.
First – aid measures after skin contact	:	Immediately call a doctor. Wash with plenty of water/... wash contaminated clothing before reuse.
First – aid measures after eye contact	:	Rinse cautiously with water. For several minutes. Remove contact lenses, if present and easy to do. continue rinsing. Get medical advice /attention.
First – aid measures after ingestion	:	Rinse mouth. Call a doctor if you feel unwell.

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#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : Harmful if inhaled.  
Symptoms/effects after skin contact : Harmful in contact with skin.  
Symptoms/effects after ingestion : Harmful if swallowed.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam water spray  
Unsuitable extinguishing media : Do not use a heavy water steam.

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Advice for firefighters

Protection during fire fighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.  
Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers.  
Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

#### 6.4. Reference to other sections

No additional information available



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## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Precautions for safe handling	:	Avoid contact with skin and eyes. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Wash hands and other exposed area with mild soap and water before eating, drinking or smoke and when leaving work.

### 7.2. Conditions for safe storage, including any compatibilities

Storage conditions	:	Store in a well-ventilated place. Keep container tightly closed.
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### 7.3. Specific end use (S)

No additional information available

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

No additional information available

### 8.2. Exposure controls

Hand protection	:	Protective gloves
Eye protection	:	Chemical goggles or safety glasses
Skin and body protection	:	Wear suitable protective clothing
Respiratory protection	:	In case of inadequate ventilation Wear respiratory protection.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Molecular mass	:	266.53 g/mol
Color	:	colorless crystals
Odor	:	slight acetic acid odor
Odor threshold	:	No data available
pH	:	7.1
Relative evaporation rate (butylacetate=1)	:	No data available
Melting Point	:	130°C
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available

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Vapour pressure	:	No data available
Relative vapour density at 20°C	:	No data available
Relative density	:	No data available
Density	:	2.01 g/cm <sup>3</sup>
Solubility	:	Water: Freely soluble
Log pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

## 9.2. Other information

No additional information available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No additional information available

### 10.2. Chemical Stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Direct sunlight. Air contact. Moisture. Open flame.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity	:	Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.
Skin corrosion/irritation	:	Not classified pH: 7.1
Serious eye damage/irritation	:	Not classified pH:7.1
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified

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Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified
Potential adverse human effects and symptoms	:	Harmful if swallowed. Harmful in contact with skin.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology – water : Very toxic to aquatic life with long lasting effects

### 12.2. Persistence and degradability

Persistence and degradability : May cause long-term adverse effects in the environment

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT AND vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Product/packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

ADR/RID: 3077

IMDG: 3077

IATA: 3077

### 14.2 UN Proper shipping name

ADR/RID : Environmentally hazardous substance, solid, n.o.s. (Cadmium Acetate)

IMDG : Environmentally hazardous substance, solid, n.o.s. (Cadmium Acetate)

IATA : Environmentally hazardous substance, solid, n.o.s. (Cadmium Acetate)



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- |             |  |                            |           |
|-------------|--|----------------------------|-----------|
| <b>14.3</b> | <b>Transport Hazard class(es)</b><br>ADR/RID: 9          | IMDG: 9                    | IATA: 9   |
| <b>14.4</b> | <b>Packaging group</b><br>ADR/RID:III                    | IMDG:III                   | IATA:III  |
| <b>14.5</b> | <b>Environmental hazards</b><br>ADR/RID: yes             | IMDG Marine pollutant: yes | IATA: yes |
| <b>14.6</b> | <b>Special precautions for user</b><br>No data available |                            |           |

## SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
Ensure all local, regional, national and/or international regulations are observed.
- 15.2 Chemical safety Assessment**  
For this product a chemical safety assessment was not carried out.

## SECTION 16: OTHER INFORMATION

### Full text of H-statements referred to under sections 2 and 3

- |                  |  |
|------------------|--|
| H302             | Harmful if swallowed.                                    |
| H302 + H312+H332 | Harmful if swallowed, in contact with skin or if inhaled |
| H312             | Harmful in contact with skin                             |
| H332             | Harmful if inhaled.                                      |

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