

SAFETY DATA SHEET

Version: v1
Revision Date: 2026-04-28
Print Date: 2026-04-28

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Cadmium(II) acetate
Product Number : C303947
Brand : aladdin
CAS-No. : 543-90-8

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

Identified uses : Laboratory chemicals, Manufacture of substances.

1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION
Address : 14078 Meridian Parkway,
Riverside, CA. 92518
Telephone : +1 (833) 552-7181
Fax : no data available

1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300
CHEMTREC®, Outside the USA :

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute oral toxicity Category 4

Acute dermal toxicity Category 4

Acute Inhalation Toxicity - Dusts and Mists Category 4

Carcinogenicity Category 1A

Specific target organ toxicity (single exposure) Category 3

Target Organs - Respiratory system. Specific target organ toxicity - (repeated exposure) Category 2

Target Organs - Kidney, Blood.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H335

May cause respiratory irritation

H350

May cause cancer

H373

Causes damage to organs through prolonged or repeated exposure

H302+H312+H332

Harmful if swallowed, in contact with skin or if inhaled

Precautionary statement(s)

P201

Obtain special instructions before use.

P202

Do not handle until all safety precautions have been read and understood.

P260

Do not breathe dust/fume/gas/mist/vapors/spray.

P264

Wash hands [and ...] thoroughly after handling.

P270

Do not eat, drink or smoke when using this product.

P271

Use only outdoors or in a well-ventilated area.

P281

Use personal protective equipment as required.

P312

Call a POISON CENTER or doctor/... if you feel unwell.

P330

Rinse mouth.

P363

Wash contaminated clothing before reuse.

P301+P312

IF SWALLOWED: call a POISON CENTER/doctor/... IF you feel unwell.

P302+P350

IF ON SKIN: Gently wash with plenty of soap and water.

P304+P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P311

IF exposed or concerned: Call a POISON CENTER/doctor/...

P501

Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Very toxic to aquatic life with long lasting effects;Cancer

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms	: no data available
Formula	: Cd(OCOCH ₃) ₂
Molecular weight	: 230.5
CAS No.	: 543-90-8
EC-NO.	: 208-853-2

Component	Classification	Concentration
Cadmium(II) acetate		
	no data available	anhydrous

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Show this material safety data sheet to the doctor in attendance.

If inhaled

Remove to fresh air. Get medical attention if symptoms occur. If not breathing, give artificial respiration.

In case of skin contact

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention.

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

If swallowed

Do NOT induce vomiting. Call a physician or poison control center immediately.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water, Foam, Carbon dioxide (CO₂), Dry powder

Unsuitable extinguishing media

no data available

5.2 Special hazards arising from the substance or mixture

Phone: +1 (833) 552-7181 Email: QualityAssurance@aladdinsci.com Website: <https://www.aladdinsci.com/>

no data available

5.3 Advice for firefighters

wear self-contained breathing and full protective gear.

5.4 Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

6.2 Environmental precautions

Should not be released into the environment. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Do not let this chemical enter the environment. Avoid dust formation.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU)2016/425 and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN(EU).

Control of environmental exposure

If safety requires, prevent further leakage or spillage. Do not let the product enter the sewer.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	no data available
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	255-273 °C
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available

i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties N	no data available
t) Oxidizing properties N	no data available

9.2 Other safety information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

Incompatible products. Excess heat.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat -333 mg/kg

Note: (RTECS)

Acute toxicity estimate inhalation -1.6 mg/l - dust/smoke

(Expert judgment)

Note: Classified according to Annex 6 (Tables 3.1/3.2) of EU CLP Regulation 1272/2008

Acute toxicity estimate transdermal -1100.1 mg/kg

(Expert judgment)

Note: Classified according to Annex 6 (Tables 3.1/3.2) of EU CLP Regulation 1272/2008

Skin corrosion/irritation

Skin - Rabbit Result: No skin irritation -4 hours (OECD Testing Guideline 404)

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

Local Lymph Node Test (LLNA) - Mouse Result: Negative (OECD Testing Guideline 429) Note: Corresponding values have been specified for the following substance: disodium diphosphate

Germ cell mutagenicity

May cause genetic defects. Test type: In vitro mammalian cell gene mutation assay Testing System: Mouse lymphoma test Metabolic activation: with or without metabolic activation effect Method: OECD Testing Guidelines 490 Result: Negative Test type: Micronucleus test Testing System: Lymphocytes Metabolic activation: with or without metabolic activation effect Method: OECD Testing Guidelines 487 Result: Negative

Carcinogenicity

This product is or contains components listed as carcinogens by IARC, ACGIH, EPA, and NTP. Chronic exposure to cadmium may lead to lung cancer and pre cancer Adenocarcinoma hypothesis has potential human carcinogenicity

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

Oral - Long term or repeated exposure can cause damage to organs. -Kidney, skeleton

Aspiration hazard

no data available

Additional Information

Repeated toxicity - rats - male and female - oral - level of no observed harmful effects -500 mg/kg

Note: Subchronic toxicity

The effects of ingestion may include: nausea, vomiting

To our knowledge, the chemical, physical, and toxic properties of this substance have not been fully studied.

SECTION 12: Ecological information

12.1 Toxicity

no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

no data available

SECTION 13:

13.1 Disposal considerations

Product

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

UN number: UN2570

Proper shipping name: Cadmium
compound (Cadmium acetate)

Environmental Hazards: yes

Packing group: III

Reportable Quantity(RQ):no data
available

Class: 6.1

Poison Inhalation Hazard:no data
available

IMDG



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

UN number: UN2570

Packing group: III

EMS-No: F-A, S-A

Proper shipping name: Cadmium compound (Cadmium acetate)

IATA

UN number: UN2570

Packing group: III

Class: 6.1

Proper shipping name: Cadmium compound (Cadmium acetate)

SECTION 15: Regulatory information

Please note that waste disposal should also meet local regulations. If applicable, the chemical meets the requirements of the Regulations on the Safety Management of Hazardous Chemicals (adopted by the State Council on December 4, 2013).

SECTION 16: Other information

Prepared By

Regulatory Affairs

ALADDIN SCIENTIFIC CORPORATION

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SDS sections updated v1

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