

OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com

Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

CADMIUM HYDROXIDE
MSDS CAS: 21041-95-2

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: CADMIUM HYDROXIDE

CAS#: 21041-95-2

Synonym:

Chemical Name: Not available.

Chemical Formula: : : H_2CdO_2

Brand : OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Cadmium hydroxide	21041-95-2	100%

Section 3: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]:

Acute toxicity, Inhalation (Category 4)

Acute toxicity, Dermal (Category 4)

Acute toxicity, Oral (Category 4)

Acute aquatic toxicity (Category 1)

Chronic aquatic toxicity (Category 1)

Classification according to EU Directives 67/548/EEC or 1999/45/EC:

Harmful by inhalation, in contact with skin and if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Label elements

Hazard statement(s):

Harmful if swallowed.

Harmful in contact with skin.

Harmful if inhaled.

Very toxic to aquatic life with long lasting effects.

Precautionary statement(s):

Avoid release to the environment.

Wear protective gloves/ protective clothing.

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

Supplemental Hazard: Not available.

R-phrases(s):

Harmful by inhalation, in contact with skin and if swallowed.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrases(s):

This material and its container must be disposed of as hazardous waste.

Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Section 4: First Aid Measures

Description of first aid measures

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin Contact:

Wash off with soap and plenty of water. Consult a physician.

Eye Contact:

Flush eyes with water as a precaution.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed:

Nausea, Headache, Vomiting

Indication of any immediate medical attention and special treatment needed: no data available

Section 5: Fire and Explosion Data

Extinguishing media

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture:

Cadmium/cadmium oxides.

Advice for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Further information:

no data available.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Section 6: Accidental Release Measures (Continued)

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up:

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Control parameters:

Components with workplace control parameters.

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:

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Section 8: Exposure Controls/Personal Protection (Continued)

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.

Body Protection:

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

Respiratory protection:

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and Chemical Properties

Appearance Form	: powder
Odour	: no data available
Molecular Weight	: 146,43 g/mol
Odour Threshold	: no data available
pH no	: data available
Melting point	: 232 °C - lit
Boiling point	: no data available
Flash point	: no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
flammability or explosive limits	: no data available
Vapour pressure	: no data available
Vapour density	: no data available
Relative density	: 4,79 g/mL at 25 °C

Section 9: Physical and Chemical Properties (Continued)

Water solubility :no data available
Water solubility :no data available
Autoignition temperature :no data available
Decomposition temperature :no data available
Viscosity : no data available
Explosive properties : no data available
Oxidizing properties : no data available

Section 10: Stability and Reactivity Data

Reactivity : no data available
Chemical stability : no data available
Possibility of hazardous reactions: no data available
Conditions to avoid : no data available
Incompatible materials : Oxidizing agents, acids
Hazardous decomposition products: Other decomposition products - no data available

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity : no data available
Skin corrosion/irritation : no data available
Serious eye damage/eye irritation: no data available
Respiratory or skin sensitisation : no data available
Germ cell mutagenicity: no data available
Carcinogenicity : IARC: Group 1: Carcinogenic to humans (Cadmium hydroxide)
Reproductive toxicity: no data available
Specific target organ toxicity - single exposure : no data available
Specific target organ toxicity - repeated exposure: no data available

Section 11: Toxicological Information (Continued)

Aspiration hazard

Potential health effects

Inhalation : Harmful if inhaled. May cause respiratory tract irritation.

Ingestion : Harmful if swallowed.

Skin : Harmful if absorbed through skin. May cause skin irritation.

Eyes : May cause eye irritation.

Signs and Symptoms of Exposure:

Nausea, Headache, Vomiting

Section 12: Ecological Information

Toxicity : no data available

Persistence and degradability : no data available

Bioaccumulative potential : no data available

Mobility in soil : no data available

Results of PBT and vPvB assessment : no data available.

Other adverse effects : Very toxic to aquatic life with long lasting effects.

Section 13: Disposal Considerations

Waste treatment methods

Product:

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging:

Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name : CADMIUM COMPOUND (Cadmium hydroxide)
UN N° : 2570
ADR -Transport hazard class : 6.1
ADR - Group : III
Environmental hazards ADR : no

Sea transport (IMDG) [English only]

Proper shipping name : CADMIUM COMPOUND (Cadmium hydroxide)
UN N° : 2570
IMDG -Transport hazard class : 6.1
IMDG-Packaging group : III
Environmental hazards IMDG : no

Air transport (ICAO-IATA) [English only]

Proper shipping name : Cadmium compound (Cadmium hydroxide)
UN N° : 2570
IATA -Transport hazard class(es): 6.1
IATA - Packing group : III
Environmental hazards IATA : no

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:
no data available.

Chemical Safety Assessment: no data available.

OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com



Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

Oxford Lab Fine Chem LLP makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Oxford Lab Fine Chem LLP will not be responsible for damages resulting from use of or reliance upon this information.

OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990

Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com

Web: www.oxfordlabchem.com

Oxford
Range of
Laboratory Chemicals