OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

CADMIUM AAS STANDARD SOLUTION

1000mg/l Cd In Diluted HCI

MSDS CAS:

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name : **CADMIUM AAS STANDARD SOLUTION 1000mg/l Cd in Diluted HCl**
CAS# : **Not available.**
Synonym : **Not available.**
Chemical Name : **Not available.**
Chemical Formula : **Not available.**

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

Substance / Preparation : **Preparation.**

Hazardous component(s) : **This product is hazardous.**

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Section 2: Composition and Information on Ingredients (Continued)

Substance name	Contents	CAS No
cadmium (non-pyrophoric) substance listed as REACH Candidate (Cadmium)	0.01 – 1	7440-43-9
Hydrochloric acid	> 1 < 5 %	7647-01-0
Water	95 – 99	7732-18-5

Section 3: Hazards Identification

Symbol(s) : T : Toxic
R Phrase(s) : R36/38 : Irritating to eyes and skin.
: R45 : May cause cancer.
S Phrase(s) : S4 : Keep away from living quarters.
S24 : Avoid contact with skin.
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 : After contact with skin, wash immediately with
S35 : This material and its container must be disposed of in a safe way.
S36/37 : Wear suitable protective clothing and gloves.
S38 : In case of insufficient ventilation, wear suitable respiratory equipment.
S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).
S53 : Avoid exposure - obtain special instructions before use.
S59 : Refer to manufacturer/supplier for information on recovery/recycling.

Contains : Water - Nitric acid - CADMIUM AAS STANDARD SOLUTION 1000MG/L CD IN DILUTED HCL

Labelling Regulation EC 1272/2008 (CLP)

Signal words : Danger
Hazard statements : H350 : May cause cancer.
H319 : Causes serious eye irritation.
H315 : Causes skin irritation.

Precautionary statements

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Section 3: Hazards Identification (Continued)

General : **P201: Obtain special instructions before use.**

Prevention : **P280: Wear protective gloves, protective clothing, eye protection, face protection.**
P264: Wash thoroughly after handling.

Response : **P302+P352: IF ON SKIN : Wash with plenty of soap and water.**
P308+P313: If exposed or concerned : get medical advice.
P332+P313: If skin irritation occurs : Get medical advice.
P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P363: Wash contaminated clothing before reuse.

Storage : **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.**

Special labeling : **Restricted to professional users. (Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008)**

Contains : **Water - Nitric acid - CADMIUM AAS STANDARD SOLUTION 1000MG/L CD IN DILUTED HCL**

Other hazards : **The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.**

Section 4: First Aid Measures

Eye Contact : **Get medical advice. If eye irritation persists : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.**

Skin Contact : **Wash contaminated clothing before reuse. Wash with plenty of soap and water. Ifskin irritation occurs : Get medical advice. Specific treatment (see on this label).**

Inhalation : **Assure fresh air breathing. Allow the victim to rest.**

Ingestion : **Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.**

General advice : **Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).**

Symptoms relating to use : **May cause cancer. Causes serious eye irritation. Causes skin irritation.**

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Section 5: Fire and Explosion Data

Extinguishing media

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.

Special hazards arising from the substance or mixture

Hazardous combustion products : Under fire conditions, hazardous fumes will be present.

Advice for fire-fighters

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.

Section 6: Accidental Release Measures

Personal precautions :

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.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Section 7: Handling and Storage

Handling : Wash thoroughly after handling.
Wash thoroughly after handling. Obtain special instructions before use.

Technical protective measures : Provide good ventilation in process area to prevent formation of vapour

Storage container : Keep only in the original container in a cool, well ventilated place. Keep closed when not in use.

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Storage - away from : **Strong bases. Strong acids. Sources of ignition. Direct sunlight.**

Specific end use(s) : **None.**

Section 8: Exposure Controls/Personal Protection

Exposure controls

Personal protection : **Avoid all unnecessary exposure.**
Respiratory protection : **Wear approved mask.**
Hand protection : **Wear protective gloves.**
Skin protection : **Wear suitable protective clothing.**
Eye protection : **Chemical goggles or safety glasses.**
Others : **When using, do not eat, drink or smoke.**

Control parameters

Occupational Exposure Limits : **No data available.**

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties :

Physical state at 20 °C	: **Liquid.**
Colour	: **Colorless**
Odour	: **Odourless.**
Odour threshold	: **No data available.**
pH value	: **No data available.**
Melting point [°C]	: **No data available.**
Freezing point	: **≈ 0 °C**
Boiling point	: **≈ 100 °C**
Auto-ignition temperature [°C]	: **No data available.**
Flammability (solid, gas)	: **No data available.**
Flash point [°C]	: **No data available.**
Boiling point [°C]	: **No data available.**
Initial boiling point [°C]	: **No data available.**
Final boiling point [°C]	: **No data available.**
Evaporation rate	: **No data available.**
Vapour pressure [20°C]	: **No data available.**
Vapour pressure mm/Hg	: **No data available.**

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Section 9: Physical and Chemical Properties (Continued)

Density	**: ≈ 1 g/cm³**
Density [g/cm3]	**: No data available.**
Relative density, gas (air=1)	**: No data available.**
Relative density, liquid (water=1)	**: No data available.**
Solubility in water [% weight]	**: No data available.**
Solubility in water	**: No data available.**
Log Pow octanol / water at 20°C	**: No data available.**
Solubility	**: No data available.**
Viscosity at 40°C [mm2/s]	**: No data available.**

Other information :

Explosive properties : N/A	
Explosion limits - upper [%]	**: No data available.**
Explosion limits - lower [%]	**: No data available.**
Oxidising properties	**: No data available.**

Section 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.**

Section 11: Toxicological Information

Toxicity information : **The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.**

Acute toxicity

Inhalation	**: Based on available data, the classification criteria are not met.**
Dermal	**: Based on available data, the classification criteria are not met.**
Ingestion	**: Based on available data, the classification criteria are not met.**

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Section 11: Toxicological Information (Continued)

Corrosion : Based on available data, the classification criteria are not met.
Irritation : Causes serious eye irritation. Causes skin irritation.
Sensitization : Based on available data, the classification criteria are not met.
Mutagenicity : Based on available data, the classification criteria are not met.
Carcinogenicity : May cause cancer.
Toxic for reproduction : Based on available data, the classification criteria are not met.
STOT-single exposure : Based on available data, the classification criteria are not met.
STOT-repeated exposure : Based on available data, the classification criteria are not met.
Aspiration hazard : Based on available data, the classification criteria are not met.

Section 12: Ecological Information

Toxicity information : The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.
Persistence - degradability : Biodegradable.
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 according to Annex XIII of Regulation REACH.
Environmental precautions : Avoid release to the environment.

Section 13: Disposal Considerations

Waste treatment methods

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name : **CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.**
UN N° : **UN 3264**
ADR - Class : **8**
Labelling - Transport : **UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CADMIUM AAS STANDARD SOLUTION 1000 mg/L), 8, III, (E)**

Sea transport (IMDG) [English only]

Proper shipping name : **CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.**
UN N° : **UN 3264**
IMO-IMDG - Class or division : **UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CADMIUM AAS STANDARD SOLUTION 1000 mg/L), 8, III**

Air transport (ICAO-IATA) [English only]

Proper shipping name : **Corrosive liquid, acidic, inorganic, n.o.s**
UN N° : **UN 3264**
IATA - Class or division : **UN 3264 Corrosive liquid, acidic, inorganic, n.o.s. (CADMIUM AAS STANDARD SOLUTION 1000 mg/L), 8, III**

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental regulations/legislation specific for the substance or mixture : **Ensure all national/local regulations are observed.**

REACH Restrictions - Annex XVII : **The components of this product are not subject to restrictions.**
REACH Authorisation - Annex XIV : **The components of this product are not subject to authorization.**

Chemical Safety Assessment

Chemical Safety Assessment : **It has not been carried out.**

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Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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