OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
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Tel: +91 250 2390032 / 2390989 / 2390990
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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

C.D.T.A 99% AR

(trans-1,2-DIAMINOCYCLOHEXANE-N,N,N',N' –TETRA ACETIC ACID)
MSDS CAS: 123333-90-4

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: C.D.T.A 99% AR
CAS#: 123333-90-4
Synonym: Not available.
Chemical Name: C.D.T.A 99% Extra Pure
Chemical Formula: $C_{14}H_{22}N_2O_8.H_2O$

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
C.D.T.A 99%	123333-90-4	100

Toxicological Data on Ingredients: Not available.

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Section 3: Hazards Identification

Classification of the substance or mixture:
Classification EC 67/548 or EC 1999/45
Classification: Xi; R36/37/38

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : **Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation - Category 3 - Warning (CLP : STOT SE 3) H335**
Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315
Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319

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

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

Inhalation: **Call a POISON CENTER or doctor if you feel unwell. Remove to fresh air and keep at rest in a position comfortable for breathing.**

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

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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.
Thermal decomposition generates: Corrosive vapours.

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, protective equipment and emergency procedures
For emergency responders: Equip cleanup crew with proper protection.
Ventilate area.
Avoid breathing dust, fume, gas, mist, vapours, spray.
For non-emergency personnel: Evacuate unnecessary personnel.

Environmental precautions
Environmental precautions: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and material for containment and cleaning up:
Clean up methods: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

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Section 7: Handling and Storage

Precautions:

Wash thoroughly after handling. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust, fume, gas, mist, vapours, spray.

Storage:

Keep container dry. Keep in a cool place. Ground all equipment containing material. Strong bases. Strong acids. Sources of ignition. Direct sunlight.

Section 8: Exposure Controls/Personal Protection

Exposure controls:

Personal protection: Avoid all unnecessary exposure.

- **Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.**
- **Hand protection: Wear protective gloves.**
- **Skin protection: Wear suitable protective clothing.**
- **Eye protection: Chemical goggles or face shield.**
- **Others: When using, do not eat, drink or smoke.**

Control parameters:

Occupational Exposure Limits: No data available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Crystalline solid.)

Odor	**: Odourless.**
Taste	**: Not available.**
Molecular Weight	**: 364.35 g/mole**
Color	**: White.**
pH (1% soln/water)	**: Not available.**
Boiling Point	**: Not available.**
Melting Point	**: 213 - 216 °C**
Critical Temperature	**: Not available.**

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Section 9: Physical and Chemical Properties (Continued)

Specific Gravity	**: Not available.**
Vapor Pressure	**: Not available.**
Vapor Density	**: Not available.**
Volatility	**: Not available.**
Odor Threshold	**: Not available.**
Water/Oil Dist. Coeff.	**: Not available.**
Ionicity (in Water)	**: Not available.**
Dispersion Properties	**: Not available.**
Solubility	**: Slightly soluble in water.**

Section 10: Stability and Reactivity Data

Stability: **The product is stable.**

Instability Temperature: **Not available.**

Conditions to avoid: **Direct sunlight. Extremely high or low temperatures.**

Incompatibility with various substances: **Not available.**

Materials to avoid: **Strong acids. Strong bases.**

Special Remarks on Reactivity: **Not available.**

Special Remarks on Corrosivity: **Not available.**

Polymerization: **No.**

Section 11: Toxicological Information

Information on toxicological effects:
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.
May cause respiratory irritation.
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.

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

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Persistence - degradability: Biodegradable.

Bioaccumulative potential: Not established.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.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.

Section 13: Disposal Considerations

Waste Disposal :

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Section 14: Transport Information

Land transport (ADR-RID)
General information: Not regulated.

Sea transport (IMDG) [English only]
General information: Not regulated.

Air transport (ICAO-IATA) [English only]
General information: Not regulated.

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.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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