

MATERIAL SAFETY DATA SHEET

ETHYLENE DIAMINE TETRA ACETIC ACID CALCIUM DISODIUM SALT 98%

(Hydrate)

(Extra Pure)

MSDS CAS: 62-33-9

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: ETHYLENE DIAMINE TETRA ACETIC ACID CALCIUM DISODIUM SALT Hydrate

CAS#: 62-33-9

Synonym: EDTA Calcium Disodium Salt.

Chemical Name: Ethylene Diamine Tetra Acetic Acid Calcium Disodium Salt Hydrate

Chemical Formula: C₁₀H₁₂CaN₂Na₂O₈

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,
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Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Ethylene Diamine Tetra Acetic Acid Calcium Disodium Salt Hydrate	62-33-9	100

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

Acute toxicity, Oral - Category 4 - Warning (CLP: Acute Tox. 4) H302

Eye irritation - Category 2A - Warning (CLP: Eye Irrit. 2) H319

Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s): Xi: Irritant

R Phrase(s):

R36/37/38: Irritating to eyes, respiratory system and skin.

S Phrase(s):

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36: Wear suitable protective clothing.

Labelling Regulation EC 1272/2008 (CLP)

Hazard statements:

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H335: May cause respiratory irritation.

Precautionary statements

Prevention:

P280: Wear protective gloves, protective clothing, eye protection, face protection.

P271: Use only outdoors or in a well-ventilated area.

P261: Avoid breathing dust, fume, gas, mist, vapours, and spray.

P264: Wash thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

Section 3: Hazards Identification (Continued)

Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

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.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P363: Wash contaminated clothing before reuse.

Storage:

P403+P233: Store in well-ventilated place. Keep container tightly closed.

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.

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

Description of first aid measures

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.

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.

Eye contact:

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

Ingestion:

Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.

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Section 4: First Aid Measures (Continued)

Most important symptoms and effects, both acute and delayed

Symptoms relating to use: Swallowing a small quantity of this material will result in serious health hazard. Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

Indication of any immediate medical attention and special treatment needed

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

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, protective equipment and emergency procedures

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 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.

Section 7: Handling and Storage

Precautions for safe handling

Handling: Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling.

Technical protective measures:

Provide good ventilation in process area to prevent formation of vapour.

Special precautions:

Avoid breathing dust, fume, gas, mist, vapours, and spray.

Conditions for safe storage, including any incompatibilities

Storage: Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.
Storage - away from: 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: 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

Physical state at 20 °C	: Solid.
Colour	: Off white
Odour	: Odorless
Odour threshold	: No data available.
Molecular Weight	: 374.28 g/mole
pH value	: Not applicable.

Section 9: Physical and Chemical Properties (Continued)

Melting point [°C]	: No data available.
Decomposition point [°C]	: Not Available.
Critical temperature [°C]	: Not Available.
Auto-ignition temperature [°C]	: Not Available.
Flammability (solid, gas)	: Not Available.
Flash point [°C]	: Not Available.
Boiling point [°C]	: Not Available.
Initial boiling point [°C]	: Not Available.
Final boiling point [°C]	: Not Available.
Evaporation rate	: Not Available.
Vapour pressure [20°C]	: Not Available.
Vapour pressure mm/Hg	: Not Available.
Vapour density	: Not Available.
Density [g/cm ³]	: Not Available.
Relative density, gas (air=1)	: Not Available.
Relative density, liquid (water=1)	: Not Available.
Solubility in water [% weight]	: Not Available.
Solubility in water	: Not Available.
Log Pow octanol / water at 20°C	: No data available.
Solubility	: Not Available.
Viscosity at 40°C [mm ² /s]	: Not Available.

Section 10: Stability and Reactivity Data

Reactivity: Not established.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Not established.

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

Incompatible materials: Strong acids. Strong bases.

Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide.

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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: Harmful if swallowed.

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

Toxicity information: Not established.

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.

Other adverse effects

Environmental precautions: Avoid release to the environment.

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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.

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

Federal and State Regulations:

Connecticut carcinogen reporting list: Ethylene Diamine Tetra Acetic acid Illinois toxic substances disclosure to employee act: Ethylene Diamine Tetra Acetic acid Illinois chemical safety act: Ethylene Diamine Tetra Acetic acid New York release reporting list: Ethylene Diamine Tetra Acetic acid Pennsylvania RTK: Ethylene Diamine Tetra Acetic acid Massachusetts RTK: Ethylene Diamine Tetra Acetic Acid Massachusetts spill list: Ethylene Diamine Tetra Acetic acid New Jersey: Ethylene Diamine Tetra Acetic Acid Jersey spill list: Ethylene Diamine Tetra Acetic acid California Director's List of Hazardous Substances: Ethylene Diamine Tetra Acetic acid TSCA 8(b) inventory: Ethylene Diamine Tetra Acetic acid CERCLA: Hazardous substances.: Ethylene Diamine Tetra Acetic Acid: 5000 lbs. (2268 kg).

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Section 15: Other Regulatory Information (Continued)

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). **EINECS:** This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): R40- Possible risks of irreversible effects. R63- Possible risk of harm to the unborn child. S2- Keep out of the reach of children. S36/37- Wear suitable protective clothing and gloves.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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