

FICHA COM DADOS DE SEGURANÇA

Nome do Produto: EDTA DISSODICO

Revisão: 01 (English)

Data: 07/02/2025

Página 1/6

1 - Identificação

Nome do Produto: EDTA DISSODICO

Número da FDS: 7112

Comercializado por: Morais de Castro Comércio e Importação de Produtos Químicos Ltda.

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1.1-Outras maneiras de identificação:

Main Product Applications:

Manufacture of cosmetic products, cleaning and maintenance products.

1.2-Usos recomendados do produto químico e restrições de uso:

Main Product Applications:

Manufacture of cosmetic products, cleaning and maintenance products.

2 - Identificação de perigos

2.1. Classification of the substance or mixture

Acute toxicity (inhalation), Category 4 H332

Specific end-organ toxicity – Repeated exposure, Category 2 H373

Full text of H-statements: see section 16

Adverse physicochemical effects on human health and the environment

Harmful if inhaled. It can cause organ damage from repeated or prolonged exposure.

2.2. Labelling elements

Pictogramas:



Word of warning: WARNING

Danger Phrases:

H332 - Harmful if inhaled.

H373 - May affect organs after prolonged or repeated exposure.

Precautionary Phrases:

P260 - Do not breathe dust/fumes/gases/mists/vapours/aerosols.

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

P304+P340 - IN CASE OF INHALATION: Remove the person to fresh air and keep him in a comfortable place to breathe.

P312 - If you feel unwell, contact a poison control center or a doctor.

P501 - Dispose of the contents/container at a hazardous or special waste collection point in accordance with the local, regional, national and/or international regulation.

2.3. Other hazards

Other hazards that do not result in classification : No information available.

FICHA COM DADOS DE SEGURANÇA

Nome do Produto: EDTA DISSODICO

Revisão: 01 (English)

Data: 07/02/2025

Página 2/6

3 - Composição e Informações sobre os ingredientes

Composition and ingredient information:

Nome: EDTA 2Na

(CAS-No.) 6381-92-6

(EC-No.) 613-386-6

Concentration (%): 99.2

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (inhalation), Category 4 H332

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FICHA COM DADOS DE SEGURANÇA

Nome do Produto: EDTA DISSODICO

Revisão: 01 (English)

Data: 07/02/2025

Página 3/6

4 - Medidas de primeiros-socorros

4.1. Description of first aid measures

After inhalation:

Call a poison center or a doctor if you feel unwell.

Remove the person to fresh air and keep them comfortable to breathe. Call a poison center or a doctor if you feel bad.

After skin contact:

Wash immediately with soap and plenty of water, removing all contaminated clothes at the same time. Wash clothes contaminated before reusing them. Seek medical advice if skin irritation persists.

After contact with eyes:

IF IN THE EYES: Rinse thoroughly with water for several minutes. Remove the contact lenses, if present and easy to remove. Continue rinsing. If eye irritation persists: Look for medical advice and care.

After ingestion:

Rinse mouth with water. Call a poison center or a doctor if you feel unwell. Never Give nothing through your mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Harmful if inhaled. It can cause organ damage from repeated or prolonged exposure.

4.3. Indication of any immediate medical attention and special treatment required

Treat symptomatically

5 - Medidas de combate a incêndio

5.1. Means of extinction

Suitable extinguishing means: Water spray. Dry powder. Foam. Carbon dioxide.

Inadequate means of extinguishing: No information available.

5.2. Special hazards arising from the substance or mixture

Fire risk

Thermal decomposition generates toxic fumes. Can Hazardous decomposition products in the event of fire: Toxic fumes can be released.

5.3. Advice for firefighters Protection during firefighting:

Do not attempt to act without proper protective equipment. Respiratory system autonomous. Full protective clothing.

6 - Medidas de controle para derramamento ou vazamento

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency Procedures: Ventilate the area of the spill. Do not breathe in dust/smoke/gas/mist/vapors/spray. Evacuate personnel to a safe area. Avoid contact with skin and eyes.

6.1.2. For first responders

Protective equipment : Do not attempt to act without proper protective equipment. For more information see the Section 8: "Exposure/Personal Protective Controls".

6.2. Environmental Precautions

Prevent release into the environment. Do not drop into sewers or waterways

6.3. Containment and cleaning methods and materials

Methods for cleaning : Collect the spill. Sweep or shovel spills into containers suitable for Disposal. Prevent dust formation.

Other information : Dispose of materials or solid waste in an authorized place.

6.4. Reference to other sections

For more information, see section 13.

7 - Manuseio e armazenamento

7.1. Cautions for safe handling

Cautions for safe handling: Wear personal protective equipment. Don't breathe dust/smoke/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene practices and safety. Avoid contact with skin, eyes, and clothing. Prevent dust formation.

Hygiene Measures : Do not eat, drink or smoke while using this product. Always wash your hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities Storage conditions :

Store in a well-ventilated place. Keep calm.

7.3. Specific End Use(s)

No information available

FICHA COM DADOS DE SEGURANÇA

Nome do Produto: EDTA DISSODICO

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Data: 07/02/2025

Página 4/6

8 - Controle de exposição e proteção individual

8.1. Control parameters

EDTA 2Na

DNEL/DMEL (Employees)

Acute - local effects, inhalation 3 mg/m³

Long-term - local effects, inhalation 1.5 mg/m³

DNEL/DMEL (General Population)

Acute - local effects, inhalation 1.2 mg/m³

Long-term systemic effects, orally 25 mg/kg body weight/day

Long-term - local effects, inhalation 0.6 mg/m³

PNEC (Water)

Aqua PNEC (fresh water) 2.2 mg/l

Aqua PNEC (aquamarine) 0.22 mg/l

PNEC aqua (intermittent, freshwater) 1.2 mg/l

PNEC (Soil)

Solo PNEC 0.72 mg/kg body weight

PNEC (STP)

Sewage treatment plant PNEC 43 mg/l

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the workstation.

Hand protection:

EPI18 - Wear chemically resistant gloves (tested according to EN374) in combination with intensive safety controls management supervision.

Eye Protector:

Wear safety glasses with side shields (or goggles).

Skin and body protection:

Wear appropriate protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Protection against thermal risks:

Wear appropriate protective clothing.

Environmental exposure controls:

Prevent release into the environment.

9 - Propriedades físicas e químicas

Physical state (25°C) : Solid, crystalline

Color: White

Odor: Odorless

Odor Limit: Not applicable

pH: 4 - 5

Relative Evaporation Rate (Butylacetate = 1): Not Available

Boiling point: The substance decomposes before boiling

Melting/freezing point: Decomposed at 252 °C None

Flash Point: Not relevant

Autoignition temperature: > 400°C

Decomposition Temperature: 252°C

Flammability (solid, gas): Non-flammable

Vapor pressure: Not applicable.

Relative vapour density (20°C): Not available

Relative Density: Not Available

Mass density: 1,767 g/cm³ at 20°C

Water solubility: Approx. 108 g/l at 20°C

n-octanol/water partition coefficient: Log Pow 4.3 at 25 °C / pH = 4.5

Viscosity: Not applicable.

Explosive Properties: Non-explosive

Oxidizing properties: There are no oxidizing properties

9.2. Other information

No additional information available

10 - Estabilidade e reatividade

FICHA COM DADOS DE SEGURANÇA

Nome do Produto: EDTA DISSODICO

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Data: 07/02/2025

Página 5/6

10.1. Reactivity

The product is non-reactive under normal use, storage and transport conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of dangerous reactions

No known hazardous reaction under normal use.

10.4. Conditions to be avoided

Prevent dust formation.

10.5. Incompatible Materials

Strong oxidizing agent.

10.6. Hazardous decomposition products

Ammonia. Carbon oxides. Nitrogen oxides

11 - Informações toxicológicas

11.1. Information on toxicological effects

Acute (oral) toxicity: Not classified

Acute (dermal) toxicity: Not classified

Acute toxicity (inhalation): Inhalation: Harmful if inhaled.

EDTA 2Na (6381-92-6)

Oral LD50, rat : 2800 mg/kg body weight (male/female)

LOAEC inhalation, rat: ca. 30 mg/m³ar (male) based on: act. ingr. (Na₂H₂EDTA)

Skin corrosion/irritation : Not classified

Serious eye injuries/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT-Single Exposure: Unrated

STOT- Repeated exposure: May cause organ damage from repeated or prolonged exposure

Aspiration risk : Not classified

12 - Informações ecológicas

- Ecotoxicity:

Biological effects: Toxicity to fish: L.macrochirus LC50: 159 mg/l/96h

- Persistence and degradability:

Biodegradation: 3% / 30 d. Not easily biodegradable

- Bioaccumulative potential:

The material does not bioaccumulate. Log Pow - 4.3

- Ground mobility:

Unavailable

- Other adverse effects:

Unavailable

13 - Considerações sobre destinação final

Product: In accordance with local regulations.

Contaminated packaging: No specific recommendation.

14 - Informações sobre transporte

Transporte Terrestre ANTT: Produto não classificado como perigoso de acordo com a Resolução 5998/ 2022 - Ministério dos Transportes.

- Nº ONU: N/A

- Nome Adequado para Embarque: Não classificado.

- Classe de Risco: Não classificado.

- Nº de Risco: Não classificado.

- Grupo de Embalagem: Não classificado.

IMDG Maritime Transport: Product not classified as dangerous according to IMDG Code – 2010 Edition – IMO (International Maritime Organization).

FICHA COM DADOS DE SEGURANÇA

Nome do Produto: EDTA DISSODICO

Revisão: 01 (English)

Data: 07/02/2025

Página 6/6

- UN No.: N/A
- Appropriate Name for Shipment: Not classified.
- Risk class: Not classified.
- Packing Group: Not classified.
- EmS: Not rated

IATA Air Transport: Product not classified as dangerous according to Dangerous Goods Regulations – 53rd Edition

- IATA (International Air Transport Association).
- UN No.: N/A
- Appropriate Name for Shipment: Not classified.
- Risk Class: Not classified.
- Label: Unclassified.
- Packing Group: Not Classified

15 - Informações sobre regulamentações

Applicable Standards:

Brazilian Association of Technical Standards (ABNT) – NBR 14725 - Part 1 to 4.
Dangerous Goods Regulations - 57th Edition - IATA (International Air Transport Association).
IMDG Code - 2014 Edition – IMO (International Maritime Organization).
Resolution 5998/2022 - Ministry of Transport.

16 - Outras Informações

Full text of the H and EUH declarations: H332 Harmful if inhaled. H373 May cause organ damage from repeated or prolonged exposure. Meaning of abbreviations GHS: Globally Harmonized System for the Classification and Labeling of Chemicals. ADN/ABR: European Provisions on the International Carriage of Dangerous Goods by Sea. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Land. IATA: International Air Transport Association. IBC: Intermediate Bulk Container. IMDG: International Maritime Transport of Dangerous Goods. LogPow: Logarithm of octanol/partition coefficient of water. RID: Regulation on the International Carriage of Hazardous Goods by Rail. UN: United Nations DNEL: Non-derived effect level. RNR: REACH PNEC Registration Number: Concentration of Unanticipated Effect. LD50: Lethal dose for the population of a given species. LC50: Lethal concentration for a population of one.