

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product identifier:

Product: Disodium EDTA
REACH Registration No: 01-2119486775-20-XXXX
CAS No: 139-33-3
EC No: 205-358-3

Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses: Chelating agent.
Uses advised against: None.

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2. HAZARDS IDENTIFICATION

Classification of substance or mixture:

Classification – 67/548/EEC: Xi; R36 R52/53

Symbols: Xi: Irritant.

Main hazards: Irritating to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification – EC 1272/2008: Eye Irrit. 2: H319; Aquatic Chronic 3: H412

Label Elements:

Hazard pictograms:



Signal word: Warning

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Hazard statement:	Eye Irrit. 2: H319 – Causes serious eye irritation. Aquatic Chronic 3: H412 – Harmful to aquatic life with long lasting effects.
Precautionary statement:	P264 – Wash thoroughly after handling. P273 – Avoid release to the environment. P280 – Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 – If eye irritation persists get medical advice/attention. P501 – Dispose of content/container to waste collection or recycling, after thorough rinsing, if in compliance with local and national regulations.
Other hazards:	No additional information available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance:

Name:	Disodium EDTA
CAS No:	139-33-3
EC No:	205-358-3
REACH Registration No:	01-2119486775-20-XXXX

Mixtures:	Not applicable.
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4. FIRST AID MEASURES

Description of first aid measures:

Skin:	May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Inhalation:	May cause irritation to mucous membranes. May cause irritation to respiratory system. Move the exposed person to fresh air. Seek medical attention.
Ingestion:	Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.
Eye:	Causes serious eye irritation. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Most important symptoms and effects, both acute and delayed:

Skin:	May cause irritation to skin.
Inhalation:	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Ingestion:	Ingestion may cause nausea and vomiting. May cause irritation to mucous membranes.
Eye:	Causes serious eye irritation.

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Indication of any immediate medical attention and special treatment needed:

Inhalation:	May cause irritation to mucous membranes. May cause irritation to respiratory system. Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact:	Causes serious eye irritation. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Skin contact:	May cause irritation to skin. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion:	Ingestion may cause nausea and vomiting. May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Seek medical attention if irritation or symptoms persist.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use extinguishing media appropriate to the surrounding fire conditions. Do not allow runoff water to enter sewers or drains.

Special hazards arising from the substance or mixture: Burning produces irritating, toxic and obnoxious fumes.

Advice for fire fighters: Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear suitable protective equipment.

Environmental Precautions: Do not allow product to enter drains. Prevent further spillage if safe.

Methods and material containment and cleaning up: Clean spillage area thoroughly with plenty of water. Clean the area using a vacuum cleaner.

Reference to other sections: No information available.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.

Conditions for safe storage, including any incompatibilities: Keep in a cool, dry, well-ventilated area. Keep containers tightly closed.

Specific end use(s): Fertiliser.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters: No additional information available.

Exposure controls:

Individual protection measures: Avoid contact with eyes and skin.

Eye / face protection: In case of splashing, wear eye protection

Skin / Hand protection: Chemical resistant gloves (PVC)

Respiratory protection: Wear suitable protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical state: Powder/Crystals

Colour: Off white

Odour: Odourless

Odour threshold: No data available

pH: No data available

Melting/freezing point: No data available

Solidification point: No data available

Initial boiling point and range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability (solid/gas): No data available

Explosive limits: No data available

Vapour pressure: No data available

Vapour density: No data available

Relative density (SG): No data available

Solubility: Soluble in water

Log Pow: No data available

Log Kow: No data available

Self-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity kinematic: No data available

Viscosity dynamic: No data available

Explosive properties: No data available

Oxidising properties: No data available

Other information: No additional information available.

10. STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No data is available on this product.

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Conditions to avoid: Avoid formation of dust.

Incompatible materials: No data available.

Hazardous decomposition products: No data is available on this product.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity: Causes serious eye irritation.
Skin corrosion/irritation: May cause irritation to skin.
pH: No data available.
Serious eye damage/irritation: Causes serious eye irritation.
pH: No data available.
Respiratory or skin sensitisation: May cause sensitization by inhalation and skin contact.
Germ cell Mutagenicity: No data is available on this product.
Carcinogenicity: No data is available on this product.
Reproductive toxicity: No data is available on this product.
STOT – Single exposure: No information available.
STOT – repeated exposure: No information available.
Aspiration hazard: No information available.

12. ECOLOGICAL INFORMATION

Toxicity: No data is available on this product. May cause long-term adverse effects in the aquatic environment.

Persistence and degradability: No additional information available.

Bio accumulative potential: No additional information available.

Mobility in soil: No additional information available.

Results of PBT and vPvB assessment: No additional information available.

Other adverse effects: No additional information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

General information: Dispose of in compliance with all local and national regulations.

Disposal methods: Do not empty into drains; dispose of this material and its container in a safe way.

Disposal of packaging: Do NOT reuse empty containers. Empty containers can be cleaned with water. Containers must be recycled in compliance with national legislation and environmental regulations.

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14. TRANSPORT INFORMATION

In accordance with ADR/RID/IMDG/IATA/ADN:

UN number: The product is not classified as dangerous for carriage.

UN proper shipping name: The product is not classified as dangerous for carriage.

Transport hazard class(es): The product is not classified as dangerous for carriage.

Packing group: The product is not classified as dangerous for carriage.

Environmental hazards: The product is not classified as dangerous for carriage.

Special precautions for the user: The product is not classified as dangerous for carriage.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

The product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

Chemical Safety Assessment (CSA): No data is available on this product.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Acronyms:

- @ - at
- < - less than
- > - more than
- ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road
- CAS – Chemical Abstracts Service
- Cat. – Category
- CSA – Chemical Safety Assessment
- DNEL – Derived No-Effect Level
- EC – Effective Concentration
- EC OEL – European Commission Occupational Exposure Limit
- EINECS - European Inventory of Existing Commercial Chemical Substances
- GHS – Globally Harmonized System of Classification and Labelling of Chemicals
- H** - Hazard Statements
- IATA – International Air Transport Association

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IMDG – International Maritime Code for Dangerous Goods

L – Litre

LC50 – Lethal Concentration, 50 percent

LD50 – Lethal dose, 50 percent

m³ – metre cubed

mg – milligram

ml – millilitre

n.o.s. – Not Otherwise Specified

°C – degrees Centigrade

P** - Precautionary Statements

PBT – Persistent, Bio accumulative and Toxic

pH – Potential of Hydrogen

PNEC – Predicted No-Effect Level

RID – Regulations Concerning the International Transport of Dangerous Goods by Rail

SDS – Safety Data Sheet

SG – specific gravity

UN – United Nations

vPvB – very Persistent, very Bio accumulative

Legal disclaimer:

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation.

This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.