

SAFETY DATA SHEET

DISODIUM EDTA CHELATE

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Disodium EDTA Chelate

Company: Natural Bulk Supplies, 318 Half Day Rd, # 348,
Buffalo Grove, IL 60089 Phone: 847-489-7180

Emergency Contact: Infotrac: 800-535-5053(North America) +1-352-323-3500 (International)

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

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

Acute toxicity - Inhalation Category 4 - (H332)

Classification according to Directive 67/548/EEC or 1999/45/EC

Xn - Harmful

Xn;R20

Label elements

Symbols/Pictograms



Signal word Warning

Hazard Statements

H332 - Harmful if inhaled

EU Specific Hazard Statements

EUH210 - Safety data sheet available on request

Precautionary Statements

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

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

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

P312 - Call a POISON CENTER or doctor if you feel unwell

Other hazards

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI NAME	CAS NO.	CONCENTRATION (%)
Disodium EDTA	139-33-3	99.1-99.2

EC No

205-358-3

Classification according to Directive 67/548/EEC or 1999/45/EC

Xn; R20

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

Acute Tox. 4; H332

4. FIRST AID MEASURES

Description of first aid measures

General advice

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Eye contact

IF IN EYES: 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/attention.

Ingestion

Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

None known.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media Dry chemical, CO₂, water spray or regular foam.

Unsuitable extinguishing media No information available.

Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas.

Avoid contact with skin, eyes or clothing.

Ensure adequate ventilation, especially in confined areas.

Do not breathe dust/fume/gas/mist/vapors/spray.

Environmental precautions

Prevent product from entering drains.

Methods and material for containment and cleaning up

Collect spillage.

Sweep up and shovel into suitable containers for disposal.

Avoid generation of dust.

Reference to other sections

See Section 7 for more information.

See section 8 for more information.

See section 13 for more information.

7. HANDLING AND STORAGE

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Avoid contact with skin, eyes or clothing.

Avoid generation of dust.

Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry and cool place.

Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)

Inhalation

Worker - inhalative, short-term - systemic 2.5 mg/m³

Worker - inhalative, short-term - local 2.5 mg/m³

Consumer - inhalative, short-term - systemic 1.5 mg/m³

Consumer - inhalative, short-term - local 1.5 mg/m³

Oral

Consumer - oral, long-term - systemic 25 mg/kg bw/day

Predicted No Effect Concentration (PNEC)

Fresh Water 2.2 mg/L

Sea Water 0.22 mg/L

Soil 0.72 mg/L

Impact on Sewage Treatment 43 mg/L

Exposure controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Hand Protection

PPE18 - Wear chemically resistant gloves (tested to EN374) in combination with intensive management supervision controls

Skin and body protection

Suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Solid
Color	Colorless
Odor	Odorless
Odor Threshold	Not applicable
pH	No information available
Melting point/freezing point	No information available
Boiling point / boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	Not flammable
Flammability Limit in Air	No information available
Vapor Pressure	2E-012 hPa at 25°C
Vapor density	No information available
Density	No information available
Relative density	1.767 g/cm3 at 20 °C
Bulk density	No information available
Specific gravity	No information available
Water solubility	108 g/l at 20 °C
Partition coefficient	-4.3 at 25 °C / pH = 4.5
Autoignition temperature	>400 °C
Decomposition temperature	252 °C
Kinematic viscosity	No information available
Dynamic viscosity	No information available

Explosive properties	Not an explosive
Oxidizing properties	Not applicable

Other information

No information available

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Dust formation.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Ammonia

Carbon oxides (CO_x)

Nitrogen oxides (NO_x)

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Chemical Name	Oral	Dermal	Inhalation
Disodium EDTA	LD50 = 2800 mg/kg bw (Rat)	-	LOAEC : ca. 30 mg/m ³ air (male) based on: act. ingr. (Na ₂ H ₂ EDTA)

Skin corrosion/irritation

Non-irritating to the skin.

Serious eye damage/eye irritation

No eye irritation.

Sensitization

No sensitization responses were observed.

Germ cell mutagenicity

Not classified.

Carcinogenicity

Not classified

Reproductive toxicity

Not classified.

STOT - single exposure

Not classified.

STOT - repeated exposure

Not classified.

Aspiration hazard

Not classified.

12. ECOLOGICAL INFORMATION

Toxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Disodium EDTA	EC50 > 100 mg/L/72h (Desmodesmus subspicatus)	LC100 = 860 mg/L/24h (Oncorhynchus mykiss)	EC50 = 140 mg/L/48h (Daphnia magna)

Persistence and degradability

Biodegradable, but not ready biodegradable.

Bioaccumulative potential

Material does not bioaccumulate.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

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This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

UN Number Not regulated

Proper shipping name Not regulated

Hazard Class Not regulated

Packing Group Not regulated

Environmental hazards Not applicable

Special precautions No information available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. REGULATORY INFORMATION

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

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International Inventories

Component	TSCA	DSL/ NDSL	EINECS/ ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Disodium EDTA 139-33-3	X	X	X	X	X	X	X	X

"-" Not Listed

"X" Listed

Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

16. OTHER INFORMATION

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