Safety Data Sheet

1. Identification

Product Name:	EDTA Disodium — Bulk Food Grade
Synonyms:	Disodium EDTA, disodium ethylenediaminetetraacetate, edetate disodium
Recommended Use:	Food additive (sequestering agent / chelating agent).
Restrictions on Use:	None known for food use within regulatory limits.
Supplier:	LiquidShop (Liquid Solution), 613 Rte du Président-Kennedy, porte 6, Lévis, QC G6C 1J6, Canada
Contact:	info@liquidsolution.ca · liquidshop.ca
Emergency Telephone:	Centre antipoison du Québec: 1-800-463-5060 (24 h)

2. Hazard Identification

Classification:	Acute toxicity, inhalation – Category 4; Specific target organ toxicity, repeated exposure – Category 2 (respiratory tract, inhalation) (WHMIS 2015 / GHS).
Pictograms / Signal Word:	GHS07 (exclamation mark), GHS08 (health hazard) – Warning
Hazard Statements:	H332 Harmful if inhaled. H373 May cause damage to organs (respiratory tract) through prolonged or repeated exposure if inhaled.
Precautionary Statements:	P260 Do not breathe dust. P271 Use only outdoors or in a well-ventilated area. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTRE or doctor if you feel unwell. P314 Get medical advice/attention if you feel unwell. P501 Dispose of contents/container in accordance with local regulations.
Other Hazards:	Dust may irritate eyes. Fine dust dispersed in air may form combustible dust concentrations.

3. Composition / Information on Ingredients

Substance:	Ethylenediaminetetraacetic acid, disodium salt
CAS No.:	139-33-3
EC No.:	205-358-3
Molecular Formula / Weight:	C10H14N2Na2O8 / 336.21 g/mol (anhydrous)

4. First-Aid Measures

Inhalation:	Move to fresh air. Seek medical attention if symptoms persist.
Skin Contact:	Wash with soap and water.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Seek medical attention if irritation persists.
Ingestion:	Rinse mouth with water. Seek medical attention if large amounts are swallowed and symptoms occur.
Symptoms / Effects:	Inhalation of dust may irritate the respiratory tract; repeated inhalation of dust may affect the respiratory tract. Dust may irritate eyes.

5. Fire-Fighting Measures

Extinguishing Media:	Water spray, foam, dry chemical or CO2.
Specific Hazards:	Not flammable. Fine dust may form combustible mixtures with air. Thermal decomposition may release oxides of carbon and nitrogen, and sodium oxides.
Protective Equipment:	Self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

Personal Precautions:	Avoid dust formation and contact with eyes. Ensure adequate ventilation.
Environmental Precautions:	Avoid release of large quantities to drains and surface water.
Clean-up:	Sweep or vacuum up and place in a suitable closed container for disposal. Avoid generating dust.

7. Handling and Storage

Handling:	Handle in accordance with good manufacturing and hygiene practices. Avoid dust formation; do not breathe dust. Use with adequate ventilation. Wash hands after handling.
Storage:	Store in a cool, dry place in tightly closed containers, protected from moisture. Keep away from strong oxidizing agents and metals.

8. Exposure Controls / Personal Protection

Exposure Limits:	No specific occupational exposure limits established. Keep dust levels as low as possible; nuisance dust limits apply.
Engineering Controls:	General or local exhaust ventilation to control dust.
Eye Protection:	Safety glasses with side shields.
Skin Protection:	Food-grade gloves and clean work clothing.
Respiratory Protection:	Dust mask (N95) or better whenever dust is generated.

9. Physical and Chemical Properties

Appearance:	White crystalline powder
Odour:	Odourless
Solubility:	Soluble in water
Flammability:	Not flammable

10. Stability and Reactivity

Chemical Stability:	Stable under recommended storage conditions.
Conditions to Avoid:	Excessive heat, moisture, dust generation.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition:	Oxides of carbon and nitrogen; sodium oxides.

11. Toxicological Information

Acute Toxicity:	Harmful if inhaled (Category 4). Low acute oral toxicity.
Repeated Exposure:	May cause damage to the respiratory tract through prolonged or repeated inhalation of dust.
Irritation:	Dust may cause eye irritation.
Sensitization / CMR:	Not known to be a sensitizer. Not classified as carcinogenic, mutagenic or toxic to reproduction.
Food Safety:	Permitted food additive within regulatory limits. JECFA acceptable daily intake: 0–2.5 mg/kg body weight (as calcium disodium EDTA).

12. Ecological Information

Ecotoxicity:	Low toxicity to aquatic organisms; chelates metal ions in water.
Persistence:	Not readily biodegradable.
Bioaccumulation:	Not expected to bioaccumulate.

13. Disposal Considerations

Disposal:	Dispose of in accordance with local, provincial and federal regulations. Empty packaging may be recycled.

14. Transport Information

TDG / DOT / IATA / IMDG:	Not regulated as dangerous goods.

15. Regulatory Information

Canada:	Hazardous product under WHMIS 2015 (acute toxicity – inhalation, Cat. 4; STOT RE, Cat. 2). Permitted food additive in specified foods (List of Permitted Sequestering Agents, Health Canada).

16. Other Information

Date of Issue:	2026-10-08
Revision:	00

The information in this Safety Data Sheet is believed to be accurate as of the date of issue. It is provided for safe handling, use and disposal and does not constitute a warranty or quality specification.