

SAFETY DATA SHEET

EDTA, Disodium Dihydrate

(Ethylenediamine Tetraacetic acid, disodium dihydrate)

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 1-905-466-3832
Chemical Name: Ethylenediamine Tetraacetic acid, disodium dihydrate
Catalog Number: EDT001/EDT002/EDT003

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:

Acute Toxicity, Oral (category 5)
Acute Toxicity< Inhalation (category 4)
Specific target organ toxicity—repeated exposure, Inhalation (category 2)

Pictogram:



Signal Word: Warning

Hazard Statements:

H303 May be harmful if swallowed
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/ fume/ gas / mist/ vapours/ spray
P271 Use only outdoors or on a well-ventilated area.
P304+P340+P312 IF INHALED: remove to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Inhalation. Toxic if inhaled. May cause respiratory tract irritation.

Eyes: May cause eye irritation

Skin: May cause skin irritation.

Ingestion: May be harmful if swallowed

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
EDTA, DISODIUM : DIHYDRATE	6381-92-6	100%

Molecular Formula: C₁₀H₁₄N₂Na₂O₈ .2H₂O
Molecular Weight: 372.23

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes. If symptoms persist get medical attention.

Skin: Flush area immediately with plenty of soap and water while removing contaminated clothing and shoes. If symptoms persist get medical attention.

Inhalation: Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen . If symptoms persist get medical attention.

Ingestion: Wash mouth with water. Do not induce vomiting . If symptoms persist get medical attention.

SECTION 5 FIRE FIGHTING MEASURES

General Information: Always wear full protective gear in the event of a fire. Toxic gas and vapors may be generated by decomposition or combustion.

Excessive dust in combination with air can create an explosive mixture.

Flammable: No

Flash Point: N/A

Autoignition Temperature: N/A

Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container. In the event of a fire always wear self-contained breathing apparatus, NIOSH/MSHA approved or equivalent.

Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container. Avoid generating dust.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Minimize dust generation.

Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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Exposure limits: none listed
Use adequate ventilation. Avoid dust generation.
Wear appropriate protective equipment to prevent eye and skin exposure.
Wear appropriate respirator to prevent lung irritation.
Personal Protection: Lab coat, safety goggles, rubber gloves.
Ventilation: Local exhaust systems. Use fume hood
Respiratory protection: use OSHA/MSHA approved respirator.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid
Appearance and Odor: white crystalline powder. No odor.
Melting Point: 252° C
Boiling Point: N/A
Specific Gravity: N/A
Vapor Density: N/A
Water Solubility: yes
pH: 5.3 (aq soln)

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable under normal temperatures and pressure
Conditions to avoid: dust generation. Excess heat
Incompatibility: Strong oxidizing agents
Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide,
Hazardous Polymerization: Will not occur

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50: oral, rat: 2gm/kg
LD50,oral, mouse: 2050 mg/kg

Epidemiology: No data available

Teratogenicity: No data available

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: No data available

Carcinogenicity: not listed by ACGIH, IARC, NTP, or CA

SECTION 12 ECOLOGICAL INFORMATION

No information found.

SECTION 13 DISPOSAL CONSIDERATION

Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

SECTION 14 TRANSPORT INFORMATION

Shipping Information: Not regulated

SECTION 15 REGULATORY INFORMATION

US : TSCA: listed

European/International: N/A

Canada:

D1B Toxic material causing Immediate and Serious Toxic effects -Toxic by Inhalation

D2B Toxic Material causing Other Toxic Effects - Chronic toxicity

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 1/2025

Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.
Observe all federal, provincial and state laws concerning health, safety and pollution.