

MATERIAL SAFETY DATA SHEET

EDTA, Disodium Dihydrate

(Ethylenediamine Tetracaetic acid, disodium dehydrate)

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 Tetracaetic acid, disodium dihydrate
Catalog Number: EDT001/EDT002

SECTION 2 COMPOSITION/ INGREDIENTS

	CAS #	%
EDTA, DISODIUM DIHYDRATE	139-33-3	100%

SECTION 3 HAZARDS IDENTIFICATION

Potential Health Effects

Routes of entry: Eyes, skin, inhalation, Ingestion.

Target Organs: Non known

Eyes: Causes eye irritation

Skin: Causes skin irritation.

Inhalation. Causes respiratory tract irritation

Ingestion: Causes irritation to the GI tract. Harmful if swallowed

CHRONIC HEALTH HAZARDS: none known.

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 gase 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

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)

Molecular Formula: C₁₀H₁₄N₂Na₂O₈ .2H₂O

Molecular Weight: 372.23

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable under normal temperatures and pressure

Conditions to avoid: dust generation. Excess heat

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Incompatibility: Strong oxidizing agents

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide,

Hazardous Polymerization: Will not occur

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.

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: WHMIS: D2B

SECTION 16 ADDITIONAL INFORMATION

Hazard Rating System (estimated)

NFPA	Health	Fire	Reactivity
	1	0	0

Prepared By: M.Kierdelewicz (President)

Date Prepared: Aug 30/2011

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The information provided on this Material Safety Data Sheet is furnished