

SAFETY DATA SHEET

EGTA

(Ethylenebis(oxyethylenenitrilo)tetraacetic acid)

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 905-466-3832
Chemical Name: EGTA
Synonym: N/A
Catalog Number: EGT101, EGT202
Recommended use: for research purposes

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:
Not considered hazardous according to GHS

Target Organs: none
Eyes: May cause irritation..
Skin: May cause skin irritation.
Inhalation: May be harmful if inhaled
Ingestion: May be harmful if swallowed..
CHRONIC HEALTH HAZARDS: none known

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
EGTA, :	67-42-5	100%

Molecular Formula: C14H24N2O10
Molecular Weight: 380.34

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with water . Consult a physician.
Skin: In case of contact, flush area immediately with water. Get medical aid if irritation persists.
Inhalation: Remove victim to fresh air. Get medical aid if irritation persists.
Ingestion: Wash mouth with water. Get medical aid if any symptoms appear.

SECTION 5 FIRE FIGHTING MEASURES

Flammability: not flammable
Flash Point: not determined
Autoignition Temperature: not determined
Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.
Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions:
Ventilate the area. Wear appropriate protective equipment. Avoid contact with skin, eyes and clothing.
Methods for containment and clean up:

Contain further leakage. Use absorbent material to clean up spills. Place in a suitable container. Dispose according to local regulations.

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.
Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:
ACGIH, NIOSH, OSHA, none listed
Use adequate ventilation. Avoid spills.
Personal protective Equipment: Wear appropriate safety glasses and protective gloves/clothing..
Engineering Measures: eye wash stations.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after handling product.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white crystallin epowder
Odor: no information found
Odor Threshold: no information found
Melting Point: 241C
Boiling Point: no information found
Specific Gravity: no information found
Vapor Density: no information found
Vapor pressure: no information found
Water Solubility: yes
pH: 8.0
Flash point: no information found
Ignition temperature: no information found
Autoignition temperature: no information found
Lower explosion limit: no information found
Upper explosion limit: no information found

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable at normal room temperature and pressure
Conditions to avoid: spillage
Incompatibility strong oxidizing agents.
Hazardous Decomposition Products: carbon dioxide, carbon monoxide and nitrogen oxides, sodium oxides.
Hazardous Polymerization: Has not been reported

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

Oral LD50
LD50: oral, rat: 3587mg/kg

Inhalation LC50: no information found
Dermal LD50: no information found

SAFETY DATA SHEET

EGTA

(Ethylenebis(oxyethylenitrilo)tetraacetic acid)

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

Toxicity:

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:

DOT (US): not regulated

IMDG: not regulated

IATA: not regulated

SECTION 15 REGULATORY INFORMATION

WHMIS: not controlled

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz

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.