



Health	2
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet

EGTA

1: Chemical Product and Company Identification

Product Name: EGTA

Catalog Code: 40500028-1, 40500028-2, 40500028-3

CAS#: 67-42-5

RTECS: AH3760000

TSCA: TSCA 8(b) inventory: EGTA

CI#: Not available.

Synonym: Ethylene glycol bis(2-aminoethyl ether)-N,N,N',N'-tetraacetic acid

Chemical Name: EGTA

Chemical Formula: C₁₄H₂₄N₂O₁₀

Contact information:

bioWORLD

4150 Tuller Rd

Suite 228, Dublin, OH 43017, USA

For information, call: 614-792-8680

Fax Number: 614-792-8685

Order Online: www.bio-world.com

E-mail : save@bio-world.com

In case of a chemical emergency, contact local hospital.

For non-emergency assistance, call: 1-800-860-9729

2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
EGTA	67-42-5	-

Toxicological Data on Ingredients:

LD₅₀ (Oral, Rat): 3587 mg/kg.

3: Hazards Identification

Potential Acute Health Effects: Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Product of Combustion: These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7: Handling and Storage

Precautions: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

Storage: Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

8: Exposure Controls/Personal Protection

Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.

Personal Protection: Respiratory : Government approved respirator.

Hand: Chemical resistant gloves.

Eye: Safety glasses.

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

9: Physical and Chemical Properties

Physical State and Appearance: Solid. (Solid crystalline powder.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 380.35 g/mole

Color: White.

pH(1% soln/water): Not applicable.

Boiling Point: Not available.

Melting Point: Decomposes. (241°C or 465.8°F)

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapour Pressure: Not available.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

10: Stability and Reactivity Data

Stability: Stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

11: Toxicological Information

Routes of Entry: Eye contact. Skin contact. Ingestion. Inhalation.

Toxicity to Animals:

LD₅₀ (Oral, Rat): 3587 mg/kg.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Product of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

13: Disposal Considerations

Waste Disposal: Waste must be disposed of according to federal, state and local environmental regulations.

14: Transport Information

DOT Classification: Not a DOT controlled material.

Identification: Not available.

Special Provisions for Transport: Not available.

15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: EGTA

Other Regulations: Not available.

Other Classifications:

WHMIS(Canada): Not controlled under WHMIS (Canada).

DSCL(EEC): R36/38- Irritating to eyes and skin.

HMIS(U.S.A):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment: Dust respirator. Be sure to use an approved/certified respirator or equivalent.

16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 26/06/2006 11:53:22 AM

Last Updated: 12/12/2008 2:46:04 PM

Disclaimer

This product is offered by bioWORLD for research, laboratory or further manufacturing use. Not for human use or consumption.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Bio-World.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Bio-World.com has been advised of the possibility of such damages.