

MATERIAL SAFETY DATA SHEET

o-nitrophenyl EGTA, tetrapotassium salt (NP-EGTA)

Catalog Number: 510 006

Unit Size: 1 mg dissolved in 50 µl H₂O (= 30.5 mM)

Manufacturer/Supplier: Synaptic Systems GmbH; Rudolf-Wissel-Str. 28, 37079 Göttingen/Germany
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1. Product Identification / Composition / Information on Ingredients

CAS Number: 238073-40-0

Name: 6,9-Dioxa-3,12-diazatetradecanedioic acid, 3,12-bis(carboxymethyl)-4-(2-nitrophenyl)-tetrapotassium salt

Molecular Formula: C₂₀H₂₃K₄N₃O₁₂

Molecular Weight: 653.81

2. Hazards Identification

Emergency Overview: Caution - substance not fully tested. We recommend handling all chemicals with caution.

Potential Health Effects: Not determined

Inhalation: Not determined

Ingestion: Not determined

Skin Contact: Not determined

Eye Contact: Not determined

Chronic Exposure: Not determined

Target Organs: Not determined

3. First Aid Measures

Potentially harmful. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

If eye or skin contact occurs, wash affected area with water for 15 minutes and seek medical advice.

If inhaled, move to fresh air and seek medical advice. If swallowed, seek medical advice.

4. Fire Fighting Measures

Use chemical powder or appropriate foam extinguisher

5. Accidental Release Measure

Use appropriate protective equipment and methods to clean up spilled substances. Absorb spill onto appropriate material. Collect and dispose of all waste in accordance with applicable laws.

6. Handling and Storage

Store at ≤ -20°C. Protect material from light at all times.

7. Exposure Controls / Personal Protection

Wear appropriate protective gloves, clothing and eyewear. Follow safe laboratory practices

ACGIH/OSHA Permissible Exposure Limit Data: Not determined

8. Physical and Chemical Properties

Appearance: Liquid; aqueous solution

Odor: No information found

Solubility in Water: High

Specific Gravity: No information found

pH: 12

Boiling Point: No information found

Melting Point: No information found

Flash Point: No information found

Vapor Pressure: No information found

9. Stability and Reactivity

Thermal Decomposition: No decomposition if used according to specifications.

Dangerous Reactions: No dangerous reactions identified.

Dangerous Products of Decomposition: None identified

10. Toxicological Information

RTECS Number: None known

Toxicity: No data on toxicity of this product found.

Health Hazards: No reported health hazards for this product found.

Carcinogenicity: Not listed by NTP, IARC or OSHA.

11. Ecological Information

Do not allow product to reach ground water, water course, or sewage system.

12. Disposal Considerations

Dispose of according to local, state, or national laws and regulations.

13. Transport Information

Not regulated. The product can be shipped as aqueous solution at ambient temperatures without loss of stability/activity.

14. Regulatory Information

US Toxic substances Control Act (TSCA): Not listed

EEC EINECS Number: Not identified

EEC Risk Statements: Not determined

Other Country Regulations: None identified

15. Other Information

This material is only for research purposes and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural and cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is correct to the best of our knowledge. Users should make independent decisions regarding completeness of the information based on all sources available. Synaptic Systems GmbH shall not be held liable for any damage resulting from handling or contact with the above product.

TO BE USED IN VITRO / FOR RESEARCH ONLY