

## MATERIAL SAFETY DATA SHEET

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

#### **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:**  $C_{20}H_{23}K_4N_3O_{12}$

**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**