# 5-(3-Aminopropyl)-5'-methyl-bis-(2-aminophenoxymethyl-ene-N,N,N',N'-tetraacetate Tetrapotassium Salt: sc-206966

## MATERIAL SAFETY DATA SHEET

### Section 1 - Chemical and Company Information

*Chemical Name* **5-(3-Aminopropyl)-5'-methyl-bis-(2-aminophenoxymethylene-N,N,N',N'-tetraacetate Tetrapotassium Salt**

*Synonyms* **N-[4-(3-aminopropyl)-2-[2-[2-[bis(carboxymethyl)amino]-5-methylphenoxy]ethoxy]phenyl]-N-(carboxymethyl)glycineTetrapotassium Salt; BAPTA-APM;**

*Catalog Nbr* **sc-206966**

*Cas Reg. No* **352000-08-9**

*Supplier* **Santa Cruz Biotechnology, Inc.**
**2145 Delaware Avenue**
**Santa Cruz, California 95060**
**800.457.3801 or 831.457.3800**

*Emergency* **ChemWatch**
**Within the US & Canada: 877-715-9305**
**Outside the US & Canada: +800 2436 2255**
**(1-800-CHEMCALL) or call +613 9573 3112**

### Section 2 - Hazardous Ingredients / Identity Information

**The toxicological properties have not been thoroughly investigated. Exercise due care.**

### Section 3 - Physical/Chemical Characteristics

*Boiling Point* **N/A**
*Vapor Pressure* **N/A**
*Vapor Density* **N/A**
*Solubility in Water* **yes**

*Apearance and Odor* **White to Off-White Solid**
*Specific Gravity(H2O=1)* **N/A**
*Melting Point* **255-260°C dec.**
*Evaporation Rate (Butyl Acetate=1)* **N/A**

### Section 4 - Reactive Data

*Stability* **Stable**
*Conditions to Avoid* **Strong oxidizers**
*Hazardous Decomposition or Byproducts* **toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides, potassium oxides**

*Incompatability (Materials to Avoid)* **Strong oxidizing agents**
*Hazardous Polymerization* **will not occur**

### Section 5 - Control Measures

*Respiratory Protection* **Niosh/Msha approved respirator**
*Protective Gloves* **Chemical resistant gloves**
*Other Protective Clothing* **Lab coat or apron**

*Ventilation* **Hood**
*Eye Protection* **chemical safety goggles**
*Other Protection* **safety shower and eye bath**

### Section 6 - First Aid Measures

*Inhalation* **Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.**
*Skin* **Rinse with copious amounts of water for 15 minutes. Remove contaminated clothing and shoes.**
*Ingestion* **Rinse mouth out with water, provided the person is conscious. Seek medical attention.**
*Eyes* **Flush eyes with copious amounts of water, separating eyelids with fingers.**

### Section 7 - Health Hazard Data

*Health Hazards (Acute and Chronic)*

**ROUTE OF EXPOSURE**
**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: Toxic if swallowed**

**To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.**

**A new fluorescent chelating indicator to study the physiological role of cytosolic free calcium.**

*Medical Conditions Generally Aggravated by Exposure* **The toxicological properties have not been thoroughly investigated. Exercise due care.**

## Section 8 - Precautions for Safe Handling and Use

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|---|---|
| *Steps to be Taken in Case Material is Released or Spilled* | **wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.** |
| *Waste Disposal Method* | **Dispose of in accordance with all federal, state and local environmental regulations.** |
| *Precautions to Be Taken in Handling and Storage* | **Store in a cool, dry and well ventilated area. Keep all containers securely closed when not in use.** |

## Section 9 - Fire and Explosion Hazard Data

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|---|---|
| *Extinguishing Media* | **Water; Carbon dioxide; dry powder** |
| *Special Fire Fighting Procedures* | **Use water spray to cool fire - exposed containers and structures. Use water spray to disperse any vapors; reignition is always a potential. Use self-contained breathing apparatus as described above.** |
| *Unusual Fire and Explosion Hazards* | **Toxic fumes are emitted under fire conditions consisting of carbon monoxide, carbon dioxide, nitrogen oxides, and sulfur dioxide.** |

## Section 10 - Transportation Information and regulatory information

**DOT**
**Proper Shipping Name: None**
**Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.**

**IATA**
**Non-Hazardous for Air Transport: Non-hazardous for air transport.**

***The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.***

6/4/2010