

## Biotin-14-dATP

### Catalog Number: orb533181 (MSDS)

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: Biotin-14-dATP

#### 2. HAZARDS IDENTIFICATION

This substance is not classified as dangerous according to Regulation (EC) No. 1272/2008 (EU-GHS/CLP).

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Bio-14-dATP

Formula: C<sub>32</sub>H<sub>54</sub>N<sub>9</sub>O<sub>15</sub>P<sub>3</sub>S (free acid)

Molecular Weight: 929.81 g/mol (free acid)

CAS-No.:

EC number:

Classification: -

Concentration: 1.0 mM - 1.1 mM

#### 4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid dust formation.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

Handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: store at -20 °C

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

### **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### **Hand protection**

For prolonged or repeated contact use protective gloves.

### **Eye protection**

Safety glasses

### **Hygiene measures**

General industrial hygiene practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: sterile clear aqueous solution in 10 mM Tris-HCl

Safety data

pH: 7.5 ±0.5

Melting point: no data available

Boiling point: no data available

Flash point: no data available  
Ignition temperature: no data available  
Lower explosion limit: no data available  
Upper explosion limit: no data available  
Water solubility: no data available

## 10. STABILITY AND REACTIVITY

Storage stability  
Stable under recommended storage conditions.  
Materials to avoid  
Strong oxidizing agents.  
Hazardous decomposition products  
Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Oxides of phosphorus, Lithium oxides.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity no data available  
Irritation and corrosion no data available  
Sensitisation no data available  
Chronic exposure  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
Signs and Symptoms of Exposure  
Dermatitis  
Potential Health Effects  
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.  
Skin: May be harmful if absorbed through skin. May cause skin irritation.  
Eyes: May cause eye irritation.  
Ingestion: May be harmful if swallowed.  
Target Organs: Liver, Kidney

## 12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability) no data available  
Ecotoxicity effects no data available  
Further information on ecology no data available

## 13. DISPOSAL CONSIDERATIONS

Product  
Observe all federal, state, and local environmental regulations.

Contaminated packaging  
Dispose of as unused product.

#### 14. TRANSPORT INFORMATION

ADR/RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

#### 15. REGULATORY INFORMATION

Labelling according to EC Directives

The product does not need to be labelled in accordance with EC directives or respective national laws.