

## ATP gamma S

Cat#: orb64057 (MSDS)

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

**Product Name:** ATP gamma S

**Catalog Number:** orb64057

**Supplier:** Biorbyt Ltd, 5 Orwell Furlong, Cowley Road, Cambridge, Cambridgeshire, CB4 0WY, United Kingdom

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### 2. HAZARDS IDENTIFICATION

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

### Section 3. Composition/Information on Ingredients

Synonyms: Ado-5'-PPP[S]  
Formula: C<sub>10</sub>H<sub>16</sub>N<sub>5</sub>O<sub>12</sub>P<sub>3</sub>S (free acid)  
Molecular Weight: 523.24 g/mol (free acid)  
CAS-No.: [93839-89-5]  
EC number:  
Classification: -  
Concentration:

### 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.

**Section 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.

**Section 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.

**Section 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

**Section 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.

**Section 9. Physical and Chemical Properties****Appearance**

**Form:** solid

**Safety data**

**pH:**

**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

**Section 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

## Section 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

## Section 12. Ecological Information

### Elimination information (persistence and degradability)

no data available

### Ecotoxicity effects

no data available

### Further information on ecology

no data available

## Section 13. Disposal Considerations

### Product

Observe all federal, state, and local environmental regulations.

### Contaminated packaging

Dispose of as unused product.

## Section 14. Transport Information

### Product

Observe all federal, state, and local environmental regulations.

### Contaminated packaging

Dispose of as unused product.

### ADR/RID

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

## Section 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.