SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Jena Bioscience

NPE-caged-GpCpp

(NPE-caged-GMPCPP)
Guanosine-5'-[(α,β)-methyleno]triphosphate, P^3-(1-(2-nitrophenyl)-ethyl)-ester, Triethylammonium salt

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

Product Name:	NPE-caged-GpCpp (NPE-caged-GMPCPP)
Catalog Number:	NU-306L
Supplier:	Jena Bioscience GmbH Loebstedter Strasse 71 07749 Jena, Germany
Telephone:	+49 - 3641 - 62 85 000
Fax:	+49 - 3641 - 62 85 100
e-Mail:	info@jenabioscience.com
WWW:	http://www.jenabioscience.com

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:	
Formula:	$C_{19}H_{25}N_6O_{15}P_3$ (free acid)
Molecular Weight:	670.35 g/mol (free acid)
CAS-No.:	
EC number:	
Classification:	-
Concentration:	10 mM - 11 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.

NPE-caged-GpCpp

(NPE-caged-GMPCPP)
Guanosine-5'-[(α,β)-methyleno]triphosphate, P^3-(1-(2-nitrophenyl)-ethyl)-ester, Triethylammonium salt

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:	clear aqueous solution, pH 7.5 ±0.5

Safety data

pH:	7.5 ±0.5
Melting point:	no data available
Boiling point:	no data available

NPE-caged-GpCpp

(NPE-caged-GMPCPP)
Guanosine-5'-[(α,β)-methyleno]triphosphate, P^3-(1-(2-nitrophenyl)-ethyl)-ester, Triethylammonium salt

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 (NOx), 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)

NPE-caged-GpCpp

(NPE-caged-GMPCPP)
Guanosine-5'-[(α,β)-methyleno]triphosphate, P^3-(1-(2-nitrophenyl)-ethyl)-ester, Triethylammonium salt

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.

16. OTHER INFORMATION

Further information
© 2017 Jena Bioscience GmbH
This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Users should make independent decisions regarding completeness of the information based on all sources available.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Jena Bioscience GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. See our website for our terms and conditions of sales.