

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY	
<b>Product name</b>	Atlas dNTP Set (100 mM each)
<b>Catalog number</b>	BH40203
<b>Manufacturer/Supplier</b>	Bioatlas Riia 181A Tartu, 50411 Estonia Phone: +372 5562 4867
<b>Information in case of emergency</b>	Phone: +372 5562 4867 e-mail: info@bioatlas.com

2. COMPOSITION/ INFORMATION ON INGREDIENTS		
Component	Chemical Weight	Chemical Formula
dATP	557.13	$C_{10}H_{13}N_5O_{12}P_3Na_3$
dCTP	533.1	$C_9H_{13}N_3O_{13}P_3Na_3$
dGTP	573.18	$C_{10}H_{13}N_5O_{13}P_3Na_3$
dTTP	548.1	$C_{10}H_{14}N_2O_{14}P_3Na_3$

3. HAZARDS IDENTIFICATION	
<b>Hazard description</b>	Not applicable.
<b>Information concerning particular hazards for human and environment</b>	Not applicable.
<b>Classification system</b>	The classification is according to the latest editions of the EU-lists.

4. FIRST-AID MEASURES	
<b>Inhalation</b>	Move to fresh air. If breathing becomes difficult, call a physician.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
<b>Skin contact</b>	Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.
<b>Eye contact</b>	Rinse opened eye immediately with plenty of water. If irritation persists, get medical attention.
<b>Notes to physician</b>	Treat symptomatically.

5. FIRE-FIGHTING MEASURES	
<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or alcohol resistant foam.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Use personal protective equipment. Ensure adequate ventilation.
<b>Environmental precautions</b>	Do not allow to enter surface/ sewers or ground water. Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

## 7. HANDLING AND STORAGE

<b>Handling</b>	No special measures are required for safe handling of this product.
<b>Storage</b>	No special precautions required. Store at -20°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure limits</b>	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
<b>Personal protective equipment</b>	
Respiratory protection	Not required.
Hand protection	Protective gloves.
Eye protection	Protective goggles.
Skin and body protection	Appropriate protective clothing.
Hygiene measures	Do not eat, drink or smoke when handling this product. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Liquid.
<b>Color</b>	Colorless.
<b>Odor</b>	Odorless.
<b>Ph value</b>	7.0-7.5
<b>Boiling point</b>	Undetermined.
<b>Melting point</b>	Undetermined.
<b>Flash point</b>	Not applicable.
<b>Autoflammability</b>	Not applicable.
<b>Explosion hazard</b>	Not applicable.
<b>Vapor pressure</b>	No information available.
<b>Relative density</b>	No information available.
<b>Water solubility</b>	Easily soluble.

10. STABILITY AND REACTIVITY	
<b>Conditions to avoid</b>	None, if used according to specifications.
<b>Materials to avoid</b>	No data available.
<b>Hazardous decomposition products</b>	No data available.

11. TOXICOLOGICAL INFORMATION	
<b>Routes of exposure:</b>	
Inhalation	Material may be irritating to mucous membranes and upper respiratory tract.
Skin contact	May cause skin irritation.
Eye contact	May cause eye irritation.
<b>Sensitization</b>	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
<b>Additional toxicological information</b>	When used and handled according to specifications, the product does not have any harmful effects to our experience.

12. ECOLOGICAL INFORMATION	
Data not available at this time.	

13. DISPOSAL CONSIDERATIONS	
<b>Waste handling and disposal</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. TRANSPORT INFORMATION	
This substance is considered to be non-hazardous for transport.	

15. REGULATORY INFORMATION	
<b>Labeling according to EU guidelines</b>	This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.

16. OTHER INFORMATION	
<b>MSDS Creation Date:</b> 04.08.2008/ <b>Revision date:</b> 02/08/2019	
<i>This information is believed to be accurate and represents the best information currently available to us. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Bioatlas is not held liable for any damage resulting from handling or from contact with the above mentioned products.</i>	