Owi dNTP Mix 40mM (10mM dATP, dCTP, dGTP & dTTP)

Safety Data Sheet

Reference: 258511

FOR RESEARCH ONLY

1. IDENTIFICATION OF THE PRODUCT	
Product name	Owi dNTP Mix 40mM (10mM dATP, dCTP, dGTP & dTTP)
Catalog number	OZYJ001-1000

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	
Hazard description	Not applicable.
Information concerning particular hazards for human and environment	Not applicable.
Classification system	The classification is according to the latest editions of the EU-lists.

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

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Eye contact	Rinse opened eye immediately with plenty of water. If irritation persists, get medical attention.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media	Dry chemical, CO_2, water spray or alcohol resistant foam.

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

7. HANDLING AND STORAGE	
Handling	No special measures are required for safe handling of this product.
Storage	No special precautions required. Store at -20ºC.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Exposure limits	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Personal protective equipment	
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	
Form	Liquid.
Color	Colorless.
Odor	Odorless.
Ph value	7.0-7.5
Boiling point	Undetermined.
Melting point	Undetermined.
Flash point	Not applicable.
Autoflammability	Not applicable.

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Explosion hazard	Not applicable.
Vapor pressure	No information available.
Relative density	No information available.
Water solubility	Easily soluble.

10. STABILITY AND REACTIVITY

Conditions to avoid	None, if used according to specifications.
Materials to avoid	No data available.
Hazardous decomposition products	No data available.

11. TOXICOLOGICAL INFORMATION

Routes of exposure:	
Inhalation	Material may be irritating to mucous membranes and upper respiratory tract.
Skin contact	May cause skin irritation.
Eye contact	May cause eye irritation.
Sensitization	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Additional toxicological information	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

Waste handling and disposal	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

Labeling according to EU guidelines	This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.

16. OTHER INFORMATION

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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. Ozyme SAS is not held liable for any damage resulting from handling or from contact with the above mentioned products.

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