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Material Safety Data Sheet

Effective Date: 01, October, 2010

MSDS #: YS-7160-E

1. Identification of the Substance/Company

Product Name: Product Name: Standard mixture for analysis of GC content of DNA with nuclease P₁
Code # 7160

Contact Manufacturer

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Section 2: Composition/Information on Ingredients

Hazardous/Non-Hazardous Component

Component	CAS No	Content	Hazards
1. GC Analysis Standard			
2'-DeoxyCMP, Na ₂	13085-50-2	Each 50 nmoL/tube	No
2'-DeoxyAMP, Na ₂	2922-74-9		
2'-DeoxyGMP, Na ₂	558-16-4		
2'-DeoxyTMP, Na ₂	33430-62-5		
2. Nuclease P₁	54576-84-0	400 U	No

Section 3: Hazards Identification

Inhalation: May cause irritation of respiratory tract.

Ingestion: May be harmful if swallowed.

Skin contact: May cause allergic skin reaction.

Eye contact: Avoid contact with eye.

Section 4: First Aid Measures

General Advice: In the case of accident or if you feel unwell, seek medical advice immediately.

Inhalation: Remove to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.

Ingestion: Wash out mouth with water immediately and obtain medical attention.

Skin contact: Wash affected areas with water or soap and water. If pain or irritation occurred, obtain medical attention.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Contact physician immediately.

Section 5: Fire Fighting Measures

Flash point: No data available.



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Suitable extinguishing material: water spray, carbon dioxide, or fire retardant foams and powders.

Fire fighting procedure: Fire fighters should wear protective clothing and self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal precautions: Wear protective equipment.

Environmental precaution: Prevent product from entering drains.

Methods for clean up: Sweep up and place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7: Handling and Storage

Storage precaution: Store at 2-8 °C.

Handling: Use only in area provided with appropriate exhaust ventilation. Wash hands thoroughly after handling this material.

Section 8: Exposure Controls/Personal Protection

Respirator: Dust Respirator

Ventilation: Extraction hood

Gloves: Rubber or plastic surgical grade

Eye Protection: Goggles or face shield

Other precautions: Plastic apron, boots if handling large quantities

Section 9: Physical and Chemical Properties

Appearance: Clear liquid.

Melting point: No data available.

Boiling point: No data available.

Density: No data available.

Vapor pressure: No data available.

Solubility in water: No data available.

Flash point: No data available.

Explosion limits: No data available.

Ignition Temperature: No data available.

Section 10: Stability and Reactivity

Stability: Stable under recommended storage conditions.

Polymerization: None under normal processing.

Hazardous decomposition products: No data available

Materials to avoid: No data available

Condition to avoid: Exposure to air or moisture over prolonged period.

Section 11: Toxicological Information

Toxicity data: No data available.

Carcinogenicity: No data available.

Systemic effect: No data available.



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Section 12: Ecological Information

No data available.

Section 13: Disposal Considerations

Comply with all federal, state and local regulations.

Do not dump this product into sewers, on the ground or into any body of water.

Section 14: Transportation Information

DOT: Not regulated.

Section 15: Regulatory Information

Inventory-United States TSCA: Not listed

Section 16: Other Information

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