

Material Safety Data Sheet

Printing date: 04/06/2013

Reviewed on: 03/07/2013

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1. Identification of the substance/preparation and of the company/undertaking

- Product details
- Component name: **2X Reaction Buffer**
- Product name: **Takyon ROX SYBR® MMx dTTP blue 1.5ml**
Takyon ROX SYBR® MMx dTTP blue 7.5ml

- Catalog number: **UF-RSMT-B0101**
UF-RSMT-B0701

- Manufacturer/Supplier: Eurogentec S.A.
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- Further information obtainable from: Eurogentec Helpdesk
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- Information in case of emergency: Please contact the regional Eurogentec representation in your country or Eurogentec S.A. directly.

- MSDS-Nr.: MSDS-2XRB-UF-RSMT-B-V1

2. Composition/information on ingredients

- Chemical characterization
- Description: Mixture of substances listed below with non hazardous additions
- Dangerous components:

56-81-5	Glycerol	<10%
67-68-5	Dimethyl sulfoxide	<20%

3. Hazards identification

- Hazard description: Not applicable
- Information concerning particular hazards for human and environment: Warning – This preparation contains a substance not yet tested completely.
- Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4. First-aid measures

- After inhalation: Fresh air. Consult a doctor in case of complaints.
- After skin contact: Wash off under running water.
- After eye contact: Rinse out with plenty of water.
- After swallowing: Make victim drink plenty of water. Consult a doctor if feeling unwell.

5. Fire-fighting measures

- Suitable extinguishing agents: Water, CO2, powder.
- Protective equipment: Do not inhale explosion gases or combustion gases.

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Component name: 2X Reaction Buffer**6. Accidental release measures**

- Person-related safety precautions: Avoid contact with the product
Ensure adequate ventilation.
- Measures for environmental protection: Do not allow product to reach sewage system or any water course.
- Measures for cleaning/collection: Absorb with liquid-binding material.

7. Handling and storage

- **Handling:**
- Information for safe handling: Not required
- Information about fire: Not required
- **Storage:**
- Requirements to be met by storerooms and receptacles: No further requirements
- Information about storage in one common storage facility: Not required
- Further information about storage conditions: Tightly closed. -20°C
- Class according to regulation on flammable Liquids: Void

8. Exposure controls/personal protection

- Additional information about design of technical facilities: No further requirements; see item 7.
- Ingredients with limit values that require monitoring at the workplace: No ingredients need monitoring.
- Personal protective equipment:
- General protective and hygienic measures: The usual precautionary measures are to be adhered when handling chemicals
- Respiratory protection: Required when vapors/aerosols are generated.
- Protection of hands: Protective gloves
- Eye protection: Protective goggles

9. Physical and chemical properties

- Form: Fluid
- Color: Clear blue
- Odor: Characteristic
- Change in condition
 - Melting point/range: Undertermined
 - Boiling point/range: Undertermined
- Flash point: Not applicable
- Self-igniting: Not self-igniting
- Danger of explosion: No explosion hazard
- Density: Not determined
- Solubility in water: Fully soluble
- Miscibility with water: Fully miscible

10. Stability and reactivity

- Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.
- Dangerous reactions: Acids, alkalis, oxides and strong oxidizing agents.
- Dangerous decomposition products: No dangerous decomposition products in hazardous amounts.

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Component name: 2X Reaction Buffer**11. Toxicological information**

- Acute toxicity: -
- Primary irritant effect: -
- On the skin: Irritant to skin and mucous membranes
- On the eye: Irritating effect
- Sensitization: Possible
- Additional toxicological information: The product should be handled with the usual care when dealing with chemicals.

12. Ecological information

- General notes: Slightly hazardous for water.

13. Disposal considerations

- Product: -
- Recommendation: Dispose as special waste in compliance with official regulations. Do not allow product to reach sewage system.
- Uncleaned packaging: -
- Recommendation: Dispose in compliance with official regulations
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

14. Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID class: -
- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

15. Regulation information

- Labeling according to EU guidelines:
- Symbol: Xi Irritant
- R-phrases: 36/38 Irritating to skin and eyes
- S-phrases: 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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