

# 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:
  - Product name:
- 2X Reaction Buffer**  
**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.  
Parc Scientifc du Sart Tilman  
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Tel. +32-4-3727400  
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- Further information obtainable from:
- Eurogentec Helpdesk  
Tel. +32-4-3727665 /  
Tel.: +1 (858) 793-2661  
Tel.: +1 (877) 387-6436
- 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:
  - Dangerous components:
- Mixture of substances listed below with non hazardous additions

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

## 3. Hazards identification

- Hazard description:
  - Information concerning particular hazards for human and environment:
  - Classification system:
- Not applicable
- Warning – This preparation contains a substance not yet tested completely.
- 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:
  - After skin contact:
  - After eye contact:
  - After swallowing:
- Fresh air. Consult a doctor in case of complaints.
- Wash off under running water.
- Rinse out with plenty of water.
- Make victim drink plenty of water. Consult a doctor if feeling unwell.

## 5. Fire-fighting measures

- Suitable extinguishing agents:
  - Protective equipment:
- Water, CO<sub>2</sub>, powder.
- 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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