

# Material Safety Data Sheet

Printing date: 01/04/2008

Reviewed on: 01/04/2008

Page 1/3

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

- Product details
- Component name: **2X Reaction Buffer**
- Product name: **MESA BLUE qPCR MasterMix Plus for SYBR<sup>®</sup> Assay Low ROX 7.5 ml**
- Catalog number: **RT-SY2X-03+WOULRB**
- Manufacturer/Supplier: Eurogentec S.A.  
LIEGE SCIENCE PARK  
B-4102 Seraing  
Belgium  
Tel. +32-4-3727400  
Fax.+32-4-3727500
- Further information obtainable from: Eurogentec Helpdesk  
Tel. +32-4-3727665
- Information in case of emergency: Please contact the regional Eurogentec representation in your country or Eurogentec S.A. directly.
- MSDS-Nr.: MSDS-2XRBSGMESALR+WOUB-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. Remove contaminated clothing.
- After eye contact: Rinse out with plenty of water. Consult eye specialist.
- After swallowing: Make victim drink plenty of water. Administer activated charcoal and laxative. Consult a doctor immediately.

## 5. Fire-fighting measures

- Suitable extinguishing agents: Water, CO<sub>2</sub>, powder.
- Protective equipment: Do not inhale explosion gases or combustion gases.  
Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

# Material Safety Data Sheet

Printing date: 01/04/2008

Reviewed on: 01/04/2008

Page 2/3

## 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 MAC value determined. Risk of skin absorption.
- 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: 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.

# Material Safety Data Sheet

Printing date: 01/04/2008

Reviewed on: 01/04/2008

Page 3/3

**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.

SYBR® is a registered trademark of Molecular Probes Inc.