

# Material Safety Data Sheet

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

- Product details
- Component name: **2X Reaction Buffer**
- Trade name: **One Step RT qPCR Mastermix for SYBR<sup>®</sup> green I**
- Catalog number: **RT-SNRT-032X**
- 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-2XRBRTPHGSR-V3

## 2. Composition/information on ingredients

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

1185-53-1	Tris(hydroxymethyl)aminomethane hydrochloride	<10%
7447-40-7	Potassium chloride	<10%
56-81-5	Glycerol	<10%

## 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 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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## 6. Accidental release measures

- Person-related safety precautions: 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: -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: Not required
- Protection of hands: Protective gloves
- Eye protection: Protective goggles

## 9. Physical and chemical properties

- Form: Fluid
- Color: Colorless - Pink
- Odor: Odorless
- Change in condition
- Melting point/range: Undetermined
- Boiling point/range: Undetermined
- 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: No information available
- Dangerous decomposition products: No information available

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### 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: Not know to be hazardous to 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: -
- R-phrases: -
- S-phrases: -

### 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.