

Material Safety Data Sheet

Printing date: 01/07/2008

Reviewed on: 01/03/2010

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

- Product details
- Component name: **2X Reaction Buffer**
- Product name: **qPCR MasterMix Plus**
- Catalog number: **RT-QP2X-03**
RT-QP2X-03-075+
RT-QP2X-03-15+
RT-QP2X-03-50+
10-QP2X-02+
RT-QP2X-005+
- Manufacturer/Supplier: Eurogentec S.A.
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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-2XRBPHGSR+ -V5

2. Composition/information on ingredients

- Chemical characterization
 - Description: Mixture of substances listed below with non hazardous additions
 - Dangerous components:
- | | | |
|---------|----------|------|
| 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. 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. 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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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: Colorless - Pink
- Odor: Odorless
- 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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11. Toxicological information

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- 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: -
- 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.