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

1.1 Product Details:

Trade Names: PCRBIo VeriFi Mix
Catalogue Numbers: PB10.43-01
                PB10.43-05
Kit Component: 2x PCRBIo VeriFi Mix

1.2 Company Details

Manufacturer/Supplier:
PCR Biosystems Ltd.
1st Floor
Aztec House
397-405 Archway Road
London, N6 4ER
United Kingdom

Telephone: +44 (0) 203 930 8101
Email: info@pcrbio.com

Further information obtainable from:
Technical Services
Details as above

1.3 Emergency Details

24-hour contact in case of emergency:
2. Hazards identification

- **Trade name** PCRBIO VeriFi Mix (2x PCRBIO VeriFi Mix)
- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008** The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- **Information concerning particular hazards for human and environment:** The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:** The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:** Observe the general safety regulations when handling chemicals
- **Other hazards**
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

3. Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:**
  - **Glycerol**
    - CAS: 56-81-5
    - EINECS: 200-289-5
    - 1-2.5% content

- **Additional information** For the wording of the listed risk phrases refer to section 16.

4. First aid measures

- **Description of first aid measures**
  - **General information** No special measures required.
  - **After inhalation** Supply fresh air; consult doctor in case of complaints.
  - **After skin contact** Generally the product does not irritate the skin.

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· After eye contact Rinse opened eye for several minutes under running water.
· After swallowing Induce vomiting and call for medical help.
· Information for doctor
· Most important symptoms and effects, both acute and delayed No further relevant information available.
· Indication of any immediate medical attention and special treatment needed No further relevant information available.

5. Firefighting measures

· Extinguishing media
· Suitable extinguishing agents
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· Special hazards arising from the substance or mixture No further relevant information available.
· Advice for firefighters
· Protective equipment: No special measures required.

6. Accidental release measures

· Personal precautions, protective equipment and emergency procedures Not required.
· Environmental precautions:
Dilute with plenty of water.
Do not allow to enter sewers/surface or ground water.
· Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
· Reference to other sections
No dangerous substances are released.
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. Handling and storage

· Handling
· Precautions for safe handling No special measures required.
· Information about protection against explosions and fires: No special measures required.
· Conditions for safe storage, including any incompatibilities
· Storage
· Requirements to be met by storerooms and receptacles: According to product specification
· Information about storage in one common storage facility: Not required.
· Further information about storage conditions: None.
· Specific end use(s) No further relevant information available.

8. Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.
· Control parameters
· Components with limit values that require monitoring at the workplace:
56-81-5 glycerol
WEL ( ) Long-term value: 10 mg/m³
· Additional information: The lists that were valid during the creation were used as basis.
· Exposure controls
9. Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
  - Appearance:
    - Form: Fluid
    - Colour: Colourless
    - Odour: Odourless
    - Odour threshold: No data available
    - pH-value: No data available
- Change in condition
  - Melting point/Melting range: No data available
  - Boiling point/Boiling range: No data available
  - Flash point: No data available
  - Flammability (solid, gaseous): Not applicable.
  - Ignition temperature: 270°C
  - Decomposition temperature: Not determined.
  - Self igniting: Product is not selfigniting.
  - Danger of explosion: Product does not present an explosion hazard.
  - Explosion limits:
    - Lower: No data available
    - Upper: No data available
    - Vapour pressure at 20°C: No data available
    - Density: No data available
    - Relative density \( \approx 1 \) (Water = 1)
    - Vapour density: No data available
    - Evaporation rate: No data available
    - Solubility in / Miscibility with
      - Water: Fully miscible
      - Segregation coefficient (n-octanol/water): Not determined.
      - Viscosity:
        - Dynamic: No data available
        - Kinematic: No data available
- Other information: No further relevant information available.

10. Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known
11. Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values that are relevant for classification:
      - 56-81-5 glycerol
        Oral LD50 1200 mg/kg (rat)
  - Primary irritant effect:
    - on the skin: Not classified. Based on available data, the classification criteria are not met
    - on the eye: Not classified. Based on available data, the classification criteria are not met
  - Sensitization: Not classified. Based on available data, the classification criteria are not met
  - Additional toxicological information:
    The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
    When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.
  - Behaviour in environmental systems:
    - Bioaccumulative potential: No further relevant information available.
    - Mobility in soil: Miscible with water.
  - Additional ecological information:
  - General notes:
    Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - Other adverse effects: No further relevant information available.

13. Disposal considerations

- Waste treatment methods
  - Recommendation
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
  - Uncleaned packagings:
    - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agent: Water, if necessary with cleansing agents.

14. Transport information

- Maritime transport IMDG:
  - Marine pollutant: No
· Special precautions for user Not applicable.
· Transport/Additional information: Not dangerous according to the above specifications.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

15. Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture
· National regulations
· Technical instructions (air):
  Class Share in %
  NK 10-20
· Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.