

# SAFETY DATA SHEET

according to EC directive 2001/58/EC



**PCR Optimization Kit**

**1 pc**

Version 1.  
Processing date 16.01.2004

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Printing date 29.01.2004

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### Product information

Commercial Product            PCR Optimization Kit            1 pc  
Name:  
Mat.-No./ Genisys-No.:        11636138001  
Intended use:                    Liquid.

Company:                        Roche Diagnostics GmbH  
   Sandhofer Strasse 116  
   D-68305 Mannheim

Telephone:                        +496217590  
Telefax:                            +496217592890  
Responsible Department:        +49(0)621-759-2763 oder +49(0)621-759-4848

In case of emergencies  
Central Works Security Roche Diagnostics GmbH: ++49(0)621-759-2203  
Centre for detoxification: Mainz +49-6131-232466 or -232467 / München +49-89-19240

## 2. CHEMICAL CHARACTERISATION

### Components

*Bottle 1:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 2:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 3:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 4:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 5:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 6:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 7:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 8:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

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*Bottle 9:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 10:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 11:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 12:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 13:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 14:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 15:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 16:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 17:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 18:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 19:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 20:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

*Bottle 21:* 1 piece(s)  
Labelling: not required  
Contains no hazardous substances in concentrations to be declared

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## 3. HAZARDS IDENTIFICATION

### Risk advice to man and the environment

There is at present no information or indication of hazardous properties.

The usual precautions taken when handling chemicals should be observed.

Note: slightly hazardous to water and ground

## 4. FIRST AID MEASURES

Skin contact: Wash skin with water thoroughly.

Eye contact: Promptly wash eyes with water for at least 15 minutes, if necessary seek medical advice.

Ingestion: Obtain medical attention.

Instructions for physician: Symptomatic treatment by a physician.

## 5. FIRE-FIGHTING MEASURES

Extinguishing media: No restriction.

Decomposition: Gases which are damaging to health do not form in dangerous quantities.

## 6. ACCIDENTAL RELEASE MEASURES

Actions to be taken on spillage: Absorb spilled substance with fluid binders.

Absorbent material: No restriction.

Actions to be taken to limit damage: //

## 7. HANDLING AND STORAGE

Handling: Combustible substance. Open and handle vessels carefully.

Storage: Keep tightly closed.

Do not store together with: No restriction.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required.

Eye protection: Safety glasses

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Hand protection: Protective gloves  
Hygiene measures: Wash hands before breaks and at the end of workday.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### *Bottle 1*

Form: liquid  
Miscibility with water: completely miscible  
pH: 8,3

#### *Bottle 2*

Form: liquid  
Miscibility with water: completely miscible  
pH: 8,3

#### *Bottle 3*

Form: liquid  
Miscibility with water: completely miscible  
pH: 8,3

#### *Bottle 4*

Form: liquid  
Miscibility with water: completely miscible  
pH: 8,3

#### *Bottle 5*

Form: solid  
Miscibility with water: completely miscible  
pH: 8,6

#### *Bottle 6*

Form: liquid  
Miscibility with water: completely miscible  
pH: 8,6

#### *Bottle 7*

Form: liquid  
Miscibility with water: completely miscible  
pH: 8,6

#### *Bottle 8*

Form: liquid  
Miscibility with water: completely miscible  
pH: 8,6

#### *Bottle 9*

Form: liquid  
Miscibility with water: completely miscible  
pH: 8,9

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### *Bottle 10*

Form: liquid  
Miscibility with water: completely miscible  
pH: 8,9

### *Bottle 11*

Form: liquid  
Miscibility with water: completely miscible  
pH: 8,9

### *Bottle 12*

Form: liquid  
Miscibility with water: completely miscible  
pH: 8,9

### *Bottle 13*

Form: liquid  
Miscibility with water: completely miscible  
pH: 9,2

### *Bottle 14*

Form: liquid  
Miscibility with water: completely miscible  
pH: 9,2

### *Bottle 15*

Form: liquid  
Miscibility with water: completely miscible  
pH: 9,2

### *Bottle 16*

Form: liquid  
Miscibility with water: completely miscible  
pH: 9,2

### *Bottle 17*

Form: liquid  
Miscibility with water: completely miscible

### *Bottle 18*

Form: liquid  
Miscibility with water: completely miscible

### *Bottle 19*

Form: liquid  
Miscibility with water: completely miscible

### *Bottle 20*

Form: liquid  
Miscibility with water: completely miscible

### *Bottle 21*

Form: liquid  
Miscibility with water: completely miscible

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## 10. STABILITY AND REACTIVITY

Hazardous reactions: None known.  
Hazardous decomposition products: Only in small concentrations

## 11. TOXICOLOGICAL INFORMATION

**Toxicological information for the product**  
Intoxication has so far not become known.

## 12. ECOLOGICAL INFORMATION

Water hazard class: 1 slightly hazardous to water and ground  
Classification according to German regulations (VwVwS)

## 13. DISPOSAL CONSIDERATIONS

Waste disposal route: Generally disposed off as problem waste; disposal as waste water only in accordance with local regulations.  
Disposal of empty packaging: Dispose of empty packs via local recycling or waste disposal routes- if necessary, clean them beforehand.

## 14. TRANSPORT INFORMATION

Is not subject to current regulations for transportation of dangerous goods (ADR/RID, IMDG, IATA/ICAO)

## 15. REGULATORY INFORMATION

### Labelling according to EC-Directives

Note: This product has not to be labeled in accordance with EEC directive 67/548 and 99/45.

### National regulations

German BetriebssicherheitsVO: Is not subject of the German regulations for flammable liquids (BetriebssicherheitsVO).

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## 16. OTHER INFORMATION

### Further information

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our product is responsible for ensuring that, where applicable, existing laws and guidelines are observed.

Special permission has been granted in accordance with EU Directive 99/45, Article 9, which permit small packages of up to 125 ml or 125 g containing materials that are harmful to health or irritant to be unlabelled with the hazard identification information given in the safety data sheet.