

**Epi proLung PCR Mix**

Print date 21.07.2017  
Revision date 21.07.2017  
Version 2.0

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Trade name/designation** Epi proLung PCR Mix

**Article no. (user):** Epi proLung PCR Kit (M6-02-002)

### Other means of identification

SDS\_0026

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### Relevant identified uses

##### remark

Epi proLung PCR Kit (M6-02-002)

##### Product categories [PC]

PC21 Laboratory chemicals

##### Process categories [PROC]

PROC15 Use as laboratory reagent

### 1.3 Details of the supplier of the safety data sheet

#### Importer/Only Representative

Epigenomics AG

Geneststrasse 5

D-10829 Berlin

P.O. Box: ---

Telephone: +49 (0)30 24345-0 (9:00 - 16:30)

Telefax: +49 (0)30 24345-555

E-mail: [contact@epigenomics.com](mailto:contact@epigenomics.com)

[www.epigenomics.com](http://www.epigenomics.com)

### 1.4 Emergency telephone number

Giftnotruf Berlin: +49 (0)30 30686-700 (24h)

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

#### remark

This mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

### 2.2 Label elements

### 2.3 Other hazards

No data available

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## SECTION 3: Composition / information on ingredients

#### remark

Full text of R-, H- and EUH-phrases: see section 16.

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**3.1/3.2 Substances/Mixtures****Hazardous ingredients**

2-Amino-2-hydroxymethyl-propane-1,3-diol	<1 %
CAS 77-86-1	
EC 201-064-4	
Skin Irrit. 2, H315 / Eye Irrit. 2, H319 / STOT SE 3, H335	

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

Change contaminated, saturated clothing.

**Following inhalation**

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

**Following skin contact**

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

**After eye contact**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink plenty of water.

**4.2 Most important symptoms and effects, both acute and delayed**

No data available

**4.3 Indication of any immediate medical attention and special treatment needed****Notes for the doctor**

Treat symptomatically.

**SECTION 5: Firefighting measures****Additional information**

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

**5.1 Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>)

Extinguishing powder

Water spray

alcohol resistant foam

**5.2 Special hazards arising from the substance or mixture****Hazardous combustion products**

Nitrogen oxides (NO<sub>x</sub>)

Carbon monoxide

Carbon dioxide (CO<sub>2</sub>)

Hydrogen chloride (HCl)

**5.3 Advice for firefighters****Special protective equipment for firefighters:**

In case of fire: Wear self-contained breathing apparatus. protective clothing.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

##### Emergency procedures

Remove persons to safety. Provide adequate ventilation.

##### Personal precautions

Avoid dust formation. Use personal protection equipment.

##### Protective equipment

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

#### For emergency responders

##### Personal protection equipment

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### 6.2 Environmental precautions

Suppress gases/vapours/mists with water spray jet. Do not allow to enter into surface water or drains.

### 6.3 Methods and material for containment and cleaning up

#### For containment

##### Suitable material for taking up:

Absorbing material, organic

#### For cleaning up

##### Suitable material for diluting or neutralizing:

Water

### 6.4 Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advices on general occupational hygiene

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing. Avoid contact with skin, eyes and clothes.

#### Protective measures

##### Advices on safe handling

Avoid:

Inhalation of vapours or spray/mists

Skin contact

Eye contact

##### Measures to prevent fire

The product is not:

Combustible

Explosive

No special fire protection measures are necessary.

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**Environmental precautions**

See section 8.

**7.2 Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Keep/Store only in original container. Keep container tightly closed.

**Hints on joint storage**

**Storage class**

Non-combustible liquids

**Further information on storage conditions**

**storage temperature** -25 - -15 °C

**7.3 Specific end use(s)**

**Recommendation**

Observe instructions for use.

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**SECTION 8: Exposure controls/personal protection**

**Additional information**

Preventive industrial medical examinations are to be offered.

**8.1 Control parameters**

**remark**

Does not contain substances above concentration limits fixing an occupational exposure limit.

**8.2 Exposure controls**

**Appropriate engineering controls**

**Technical measures to prevent exposure**

refer to chapter 7. No further action is necessary.

**Personal protection equipment**

**Eye/face protection**

**Suitable eye protection:**

Eye glasses with side protection

**Skin protection**

**Suitable gloves type:**

Disposable gloves

**Suitable material:**

NR (natural rubber, natural latex)

NBR (Nitrile rubber)

**Required properties:**

liquid-tight

**additional hand protection measures**

Check leak tightness/impermeability prior to use.

**remark**

Breakthrough times and swelling properties of the material must be taken into consideration. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

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**Body protection:**

**Suitable protective clothing:**

lab coat

**Recommended material:**

Natural fibres (e.g. cotton)

**Respiratory protection**

Respiratory protection necessary at:

prolonged exposure

aerosol or mist formation

**Suitable respiratory protection apparatus:**

Full-/half-/quarter-face masks (DIN EN 136/140)

ABEK-P1

**remark**

Usually no personal respirative protection necessary.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

**Physical state**

liquid

**Colour**

colourless

	parameter	Method - source - remark
pH	8,2 - 8,5	Temperature 20 °C
Melting point/freezing point		not determined
Initial boiling point and boiling range		not determined
Flash point (°C)		No flash point according to standard method.
Evaporation rate		not determined
flammability		not determined
Upper explosion limit		not determined
lower explosion limit		not determined
Vapour pressure		not determined
Vapour density		not determined
Density		not determined
Fat solubility (g/L)		not determined
Water solubility (g/L)		completely miscible
Soluble (g/L) in		not determined
Partition coefficient: n-octanol/water		not determined

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parameter	Method - source - remark
Auto-ignition temperature	not determined
Decomposition temperature	not determined

## 9.2 Other safety information

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

#### Materials to avoid

Alkali (lye)

Oxidising agent

### 10.6 Hazardous decomposition products

Does not decompose when used for intended uses.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Acute oral toxicity

**ingredient** 2-Amino-2-hydroxymethyl-propane-1,3-diol

**Acute oral toxicity** 5900 mg/kg

##### Effective dose

LD50:

##### Species:

Rat

#### skin corrosion/irritation

##### Assessment/classification

slightly irritant but not relevant for classification.

#### Eye damage/irritation

##### In vitro eye test

Irritating to eyes.

### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

#### Overall Assessment on CMR properties

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

## STOT-single exposure

### STOT SE 3

#### exposure route

inhalative

#### Assessment/classification

May cause respiratory irritation.

### STOT SE 3

#### Irritation to respiratory tract

#### Assessment/classification

May cause respiratory irritation.

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Appropriate disposal / Product

Waste disposal according to official state regulations.

#### Appropriate disposal / Package

Completely emptied packings can be re-cycled. Handle contaminated packaging in the same way as the substance itself.

## SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	not applicable	not applicable	not applicable
14.2 Proper Shipping Name			
14.3 Class(es)			
14.4 Packing group			
14.5 ENVIRONMENTALLY HAZARDOUS			
14.6 Special precautions for user			

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Land transport (ADR/RID)

Sea transport (IMDG)

Air transport (ICAO-TI / IATA-DGR)

14.7 Transport in bulk according to  
Annex II of MARPOL 73/78 and the  
IBC Code

**Additional information**

**All transport carriers**

Not a hazardous material with respect to transportation regulations.

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulations**

**15.2 Chemical Safety Assessment**

For this substance a chemical safety assessment is not required.

**SECTION 16: Other information**

**Abbreviations and acronyms**

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

**Relevant R-, H- and EUH-phrases (Number and full text)**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

R36/37/38 Irritating to eyes, respiratory system and skin.

**Key literature references and sources for data**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.