

**Trade name:** PCR-Cooler / IsoPack\***Product no.:** EI-03**Current version :** 6.0.0, issued: 24.10.2022**Replaced version:** 5.0.0, issued: 12.04.2021**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

**PCR-Cooler / IsoPack\*****\*IsoPack available as Set :  
IsoTherm-System Starter Set  
IsoPack and IsoRack Set  
IsoSafe and IsoPack****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**  
coolant**Uses advised against**  
No data available.**1.3 Details of the supplier of the safety data sheet****Address**Eppendorf SE  
Barkhausenweg 1  
D-22339 Hamburg

Telephone no. +49 40 53801-0

**Information provided by / telephone**  
email: certificates@eppendorf.com**Advice on Safety Data Sheet**  
sdb\_info@umco.de**1.4 Emergency telephone number**For medical advice (in German and English):  
+49 (0)551 192 40 (Giftinformationszentrum Nord)**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification information**

This product is an article in the sense of Article 3 of Regulation (EC) 1907/2006 (REACH) and is not subject to labelling according to Article 1, Regulation (EC) 1272/2008 (CLP). Provision of a safety data sheet is not mandatory for articles according to Article 31 of Regulation (EC) 1907/2006 (REACH) and is done on a voluntary basis.

**2.2 Label elements**

Not relevant

**Labelling information**

The data given in this material safety data sheet refer to the containing solution.

**2.3 Other hazards**

No data available.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures****Chemical characterization**  
Mixture (preparation)

# EU safety data sheet

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**Hazardous ingredients**

This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information**

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

**After inhalation**

Remove affected person from the immediate area. Ensure supply of fresh air.

**After skin contact**

Wash off immediately with soap and water.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.).

**After ingestion**

Seek medical advice immediately. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down).

### 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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

**Unsuitable extinguishing media**

No data available.

### 5.2 Special hazards arising from the substance or mixture

None known.

### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8.

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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

Pick up with absorbent material (e.g., sand, sawdust, general-purpose binder). Send in suitable containers for recovery or disposal.

### 6.4 Reference to other sections

No data available.

## SECTION 7: Handling and storage

EU safety data sheet

Trade name: PCR-Cooler / IsoPack\*

Product no.: EI-03

Current version : 6.0.0, issued: 24.10.2022

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7.1 Precautions for safe handling

**Advice on safe handling**

Ensure adequate ventilation.

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work.

**Advice on protection against fire and explosion**

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions**

Keep container tightly closed.

**Requirements for storage rooms and vessels**

Keep in original packaging, tightly closed.

**Incompatible products**

None known

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

**Appropriate engineering controls**

No data available.

**Personal protective equipment**

**Respiratory protection**

No special measures required.

**Eye / face protection**

No special measures required.

**Hand protection**

No special measures required.

**Other**

Standard laboratory clothing.

**Environmental exposure controls**

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<b>State of aggregation</b>	
liquid	
<b>Form</b>	
Liquid	
<b>Colour</b>	
colourless	
<b>Odour</b>	
odourless	
<b>pH value</b>	
Value	appr. 7

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<b>Boiling point / boiling range</b>			
Value	appr.	100	°C
Reference pressure		1013	mbar
<b>Melting point/freezing point</b>			
No data available			
<b>Decomposition temperature</b>			
No data available			
<b>Flash point</b>			
Not applicable			
<b>Ignition temperature</b>			
No data available			
<b>Flammability</b>			
No data available			
<b>Lower explosion limit</b>			
No data available			
<b>Upper explosion limit</b>			
No data available			
<b>Vapour pressure</b>			
No data available			
<b>Relative vapour density</b>			
No data available			
<b>Relative density</b>			
No data available			
<b>Density</b>			
Value	appr.	1	g/cm <sup>3</sup>
Reference temperature		20	°C
<b>Solubility in water</b>			
Comments	soluble		
<b>Solubility</b>			
No data available			
<b>Partition coefficient n-octanol/water (log value)</b>			
No data available			
<b>Kinematic viscosity</b>			
No data available			
<b>Particle characteristics</b>			
No data available			

## 9.2 Other information

<b>Other information</b>
No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

### 10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

### 10.4 Conditions to avoid

EU safety data sheet

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Product no.: EI-03

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None known

**10.5 Incompatible materials**

None, if handled according to order.

**10.6 Hazardous decomposition products**

None if stored, handled and transported properly.

**SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

<b>Acute oral toxicity</b>
No data available
<b>Acute dermal toxicity</b>
No data available
<b>Acute inhalational toxicity</b>
No data available
<b>Skin corrosion/irritation</b>
No data available
<b>Serious eye damage/irritation</b>
No data available
<b>Respiratory or skin sensitisation</b>
No data available
<b>Germ cell mutagenicity</b>
No data available
<b>Reproduction toxicity</b>
No data available
<b>Carcinogenicity</b>
No data available
<b>STOT - single exposure</b>
No data available
<b>STOT - repeated exposure</b>
No data available
<b>Aspiration hazard</b>
No data available
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>
Product specific toxicological data are not available. When handled appropriately adverse health effects are not to be expected.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

No data available.

**Other information**

No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

<b>Toxicity to fish (acute)</b>
No data available
<b>Toxicity to fish (chronic)</b>
No data available

EU safety data sheet

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Product no.: EI-03

Current version : 6.0.0, issued: 24.10.2022

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<b>Toxicity to Daphnia (acute)</b>
No data available
<b>Toxicity to Daphnia (chronic)</b>
No data available
<b>Toxicity to algae (acute)</b>
No data available
<b>Toxicity to algae (chronic)</b>
No data available
<b>Bacteria toxicity</b>
No data available

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

No data available.

**12.6 Endocrine disrupting properties**

No data available.

**12.7 Other adverse effects**

No data available.

**12.8 Other information**

<b>Other information</b>
Do not discharge into drains or waters and do not dispose of in public landfills.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

**SECTION 14: Transport information**

**14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

**14.2 Transport IMDG**

The product is not subject to IMDG regulations.

**14.3 Transport ICAO-TI / IATA**

The product is not subject to ICAO-TI / IATA regulations.

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

EU safety data sheet

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14.7 Maritime transport in bulk according to IMO instruments

Not relevant

**SECTION 15: Regulatory information**

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

EU regulations

**Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the article does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is not subject to Part 1 or 2 of Annex I.

**Other regulations**

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

No data available.

**SECTION 16: Other information**

**Further information**

Safety data sheet No.: 3880 002.413-00

**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

**Creation of the safety data sheet**

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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