

**Dutscher Group**

Sonnenschein 8

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KISKER BIOTECH GmbH &amp; Co. KG, PF 1329, D-48543 Steinfurt

**1. Identification of the substance/mixture and of the company/undertaking**

**Product name** : C-Chip, Hemocytometer  
**Model name** : M-NZ, M-NZ-4CH, M-NZ-FR, M-NZ-BT, M-NZ-B, M-NZ-M

**Manufacturer** : Kisker-Biotech GmbH & Co.KG  
Sonnenschein 8,  
48565, Germany

**Phone number** : +49(0)2551-864310  
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*\* In vitro diagnostic use only, do not use for other purpose.*

**2. Hazards Identification****Classification of the substance or mixture**

This substance is not classified as dangerous according to Directive 67/548/EEC.

**Label elements-** No symbol

**Other hazards-** none

**3. COMPOSITION/INFORMATION ON INGREDIENTS****• Mixtures**

Component	CAS No.	Content %
Poly methyl methacrylate (PMMA)	9011-14-7	>99.9

## **4. FIRST AID MEASURES**

### **4.1 Description of first aid measures**

#### **In case of skin contact**

Flush affected are with water. If symptoms develop, seek medical advice.

#### **In case of eye contact**

Flush affected are with plenty of water. If symptoms develop, seek medical advice.

#### ***If ingested***

Not a likely route of exposure. Do not induce vomiting without medical advice. If symptoms develop, seek medical advice.

#### ***Notes to physician***

If molten PMMA is in contact with skin, treat as any thermal burn. Based on the individual reactions of the patients

## **5. FIREFIGHTING MEASURES**

### **5.1 Extinguishing media**

Foam, powder, carbon dioxide, water spray. Do NOT use straight streams of water.

**5.2 Special hazards arising from the chemical** Combustible. No explosion hazard.

### **5.3 Special protective equipment and precautions for firefighters**

In case of fire, wear a full face positive-pressure self-contained breathing apparatus and protective suit, Keep containers cool with water spray.

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## **6. ACCIDENTAL RELEASE MEASURES**

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

The product may cause slippery floor conditions. Restrict access to area as appropriate until clean-up operations are complete. Stop or reduce any leaks if it is safe to do so.

### **6.2 Environmental precautions**

Prevent material from entering sewers or waterways. Notify appropriate government, occupational health and safety and environmental authorities.

### **6.3 Methods and materials for containment and cleaning up**

Dispose of material in compliance with regulations indicated in Section 13 (Disposal considerations)



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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Do not get in eyes, on skin, on clothing. Do not take internally. Avoid formation of dust. Do not use, store the product near heat, sparks or open flame.

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

Keep out of sun- and UV light; store in a dry place at room temperature.

### 7.3 Specific and use(s)

Do not use for other purpose.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1 Exposure controls

**Appropriate engineering controls** General industrial hygiene practice.

### Personal protective equipment

**Hand protection** Wear general gloves.

**Skin protection** No special protection required. Wear standard protective clothing in according with laboratory regulations.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

A. Physical appearance	: Transparent/colorless plastic	
B. Odor	: Odorless	
C. Odor threshold	: No data available	
D. pH	: Not applicable	
E. Melting/Freezing point	: 165 °C	
F. Initial boiling point/Boiling point range	: 200 °C	G. Flash point : >280 °C
H. Evaporation rate	: Not applicable	
I. flammability (Gas, Solid)	: Combustible	
J. Upper and lower explosion limits	: Not applicable	
K. Vapor pressure	: Not applicable	
L. Solubility	: Immiscible	
M. Relative vapor density	: Not applicable	
N. Specific gravity	: No data available	
O. O. Auto ignition temperature	: No data available	
P. Decomposition temperature	: No data available	

Die Ware bleibt bis zur vollständigen Bezahlung unser Eigentum  
Bankverbindung: Postbank Dortmund, 44131 Dortmund  
BLZ 440 100 46, Konto: 750 756 469  
IBAN: DE72 4401 0046 0750 756469  
BIC(SWIFT-Code): PBNKDEFF

Sitz der Gesllschaft:  
Steinfurt-Amtsgericht Steinfurt HRA 6089  
Sitz der pers. haftenden Gesellschafterin:  
Steinfurt-Amtsgericht Steinfurt HRB 9085  
USt-IdNr DE815257984, Steuer-Nr: 311/5951/3346

Persönlich haftende Gesellschafterin:  
Kisker Verwaltungsgesellschaft mbH,  
Sonnenschein 8, D-48565 Steinfurt  
Geschäftsführer: Dominique Wencker  
Dr. Tobias Schopen



## 10. Stability and Reactivity

- 10.1 Chemical stability** : Stable under normal conditions. Do not heat above 280 °C.
- 10.2 Possibility of hazardous reactions** : Unknown
- 10.3 Conditions to avoid** : Open flame and ignition sources.
- 10.4 Incompatible materials** : Contact with acids, alkalis and strong oxidizing agents.
- 10.5 Hazardous decomposition products** : Oxides of carbon (COx)

## 11. Toxicological information

### 11.1 Information on the likely routes of exposure

**Skin corrosion/Irritation** : No toxic symptoms reported. Monomer vapors from heated PMMA may cause irritation.

**Serious eye damage/Irritation** : No toxic symptoms reported. Monomer vapors from heated PMMA may cause irritation.

**Respiratory or skin sensitization** : No data available.  
However, based on our hazard characterization, the product is not expected to cause respiratory or skin sensitization due to low contents of the PMMA (0.03%).

**Reproductive toxicity** : No data available.

**Specific target organ/systemic toxicity** : No data available.

**Aspiration hazard** : Unknown. No data available.

### 11.2. Symptoms related to the physical, chemical and toxicological characteristics

No data available.

## 12. Ecological information

- 12.1 Toxicity** : No data available
- 12.2 Persistence and degradability** : PMMA is considered inert material and not expected to be biodegradable.
- 12.3 Bio accumulative potential** : No data available.
- 12.4 Mobility in soil** : No data available.

**12.5 Other adverse effects**

: Unknown. No data available.

**13. Disposal considerations**

**13.1 Disposal methods**

Dispose of wastes in an approved incinerator or waste treatment/disposal site, in accordance with all applicable regulations.

**13.2 Precautions (On disposal of containers and packages)**

No special precautions required. Combustion products are carbon monoxide, carbon dioxide and water. Dispose of as unused product.

**14. TRANSPORT INFORMATION**

The following results are for the product. : Not regulated.

UN number : Not regulated.

UN proper shipping name : Not regulated.

Transport hazard class (es) : Not regulated.

Packing group, if applicable : Not regulated.

Environmental hazards : Not regulated.

Special precautions for user : No data available.

**15. Regulatory information**

This chemical substance is not hazardous according to the Annex I of Directive 67/548/EEC.

**15.1 Safety, health and environmental regulations** No data available.