



Prepared by: MagnaMedics Diagnostics B.V.  
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## 1. PRODUCT AND COMPANY IDENTIFICATION

### TRADE NAMES

bead type	bead diameter ( $\mu\text{m}$ )
MagSi-proteomics C4	1.2
MagSi-proteomics C8	1.2
MagSi-proteomics C18	1.2

### SUPPLIER

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### PRODUCT USE

Laboratory chemical. For R&D use only.

## 2. COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	EC No.	WEIGHT%	Hazard
surface modified amorphous silica beads of 1.2 $\mu\text{m}$ with iron oxide core	-	-	1-5	-
Ethanol	64-17-5	247-852-1	15-30	Toxic
Water	7732-18-5	231-791-2	65-85	-

## 3. Hazard Identification

### Special indication of hazard

#### R-phrases

R10: Flammable

## 4. First Aid Measures

### Skin contact:

Wash off immediately with plenty of water. Remove contaminated clothing.

### Eye contact

Flush thoroughly with plenty of water, also under the eyelids

### Inhalation

Move to fresh air

### Ingestion

Wash out mouth with water provided person is conscious.

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## 5. Fire Fighting Measures

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### Extinguishing media

Dry chemical powder

### Special protective equipment for firefighters

Wear self-contained breathing apparatus and protective suit

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## 6. Accidental Release Measures

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### Personal precaution procedures

Use personal protective equipment

### Methods for cleaning

Soak up with inert absorbent material and rinse with water

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## 7. Handling and Storage

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### Handling

No special handling advice required

### Storage

Keep well closed in properly labeled container at 2-8°C

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## 8. Exposure Controls / Personal Protection

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### Engineering measures

Ensure adequate ventilation

### Personal protective equipment

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment

Hand protection: Compatible chemical resistant gloves

Eye protection: Safety goggles

Skin and Body protection: Lightweight protective clothing

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

### Exposure Limits

INGREDIENT NAME	EU OEL (TWA)	EU EOL (STEL)	EU Skin Notation	Austria OEL (MAK)	Belgium (TWA)	Denmark (TWA)	UK OEL (STEL)
surface modified amorphous silica beads of 1.2 µm with iron oxide core	-	-	-	-	-	-	-
Ethanol	-	-	-	1000 ppm 1900 mg/ m <sup>3</sup>	1000 ppm 1907 mg/ m <sup>3</sup>	1000 ppm 1900 mg/ m <sup>3</sup>	1000 ppm 1920 mg/ m <sup>3</sup>

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## 9. Physical and Chemical Properties

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Appearance/ physical state:

Brown suspension of solid beads in liquid

Density:

1.01g/m<sup>3</sup>

Solubility:

Miscible in water

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## 10. Stability and Reactivity

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### Stability

Stability: Stable  
Conditions of instability: extreme acid or basic environment

### Hazardous decomposition products

No information available

### Hazardous polymerization

Does not occur

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## 11. Toxicological Information

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### Route / Signs and symptoms of exposure

Eyes: May cause eye irritation  
Skin: No information available  
Inhalation: No information available  
Swallowed: No information available

### Acute toxicity

INGREDIENT NAME	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
surface modified amorphous silica beads of 1.2µm with iron oxide core	-	-	-
Ethanol	7060 mg/kg	-	64,000 ppm/4h

### Target organ information

No information available

### Chronic exposure

No information available

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## 12. Ecological Information

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### Ecotoxicological effects

No information available

### Biodegradation

Biodegradable

### Bioaccumulation

No information available

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## 13. Disposal Considerations

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Dispose of in accordance with local regulations

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## 14. Transport Information

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### RID/ADR

Non-hazardous for road transport

### IMDG

Non-hazardous for sea transport

### IATA

Proper shipping name	Ethanol solution
Hazard Class	3
Subsidiary Class	None
Packing group	III
Un-No	1170

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## 15. Regulatory Information

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### R-phrases

R-10: Flammable

### S-phrases

S-16: Keep away from sources of ignition, No Smoking

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## 16. Other Information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information developed by MagnaMedics Diagnostics BV relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process.

It is user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. For R&D use only. Not for drug, household or other uses.