

# MATERIAL SAFETY DATA SHEET

MagnaMedics



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Revision No: 1.4.0  
Revision Date: 11.10.2011

## 1. PRODUCT AND COMPANY IDENTIFICATION

### TRADE NAMES

bead type \_\_\_\_\_ bead diameter ( $\mu\text{m}$ )  
MagSi-DNA allround 1.2

### SUPPLIER

MagnaMedics Diagnostics BV  
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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 dense iron oxide core. Optimized for nucleic acid isolation.	-	-	1.5-2.5	-
Water	7732-18-5	231-791-2	97-99	-

## 3. Hazard Identification

### Special indication of hazard

No special indications

## 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 risks

No special risks

### 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

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### Personal protective equipment

Hand protection: 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 iron oxide core. Optimized for nucleic acid isolation.	-	-	-	-	-	-	-
Water	-	-	-	-	-	-	-

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## 9. Physical and Chemical Properties

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Appearance/ physical state: Brown suspension of solid beads in liquid  
Density: -  
Solubility: Miscible in water  
pH value: 6.5 – 7.5

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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)
Dense iron oxide core coated with porous silica. Optimized for nucleic acid isolation.	-	-	-
Water	-	-	-

### 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**

Non-hazardous for air transport

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## **15. Regulatory Information**

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### **R-phrases**

No information available

### **S-phrases**

No information available

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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.