MATERIAL SAFETY DATA SHEET

MagnaMedics

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

TRADE NAMES

bead type	bead diameter (nm)
MagSi-DNA	300

SUPPLIER

MagnaMedics Diagnostics BV
Burg. Lemmensstraat 366
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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
Dense iron oxide core coated with porous silica. Optimized for nucleic acid isolation.	-	-	25-35	-
Water	7732-18-5	231-791-2	65-75	-

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.

5. Fire Fighting Measures

Extinguishing media
Dry chemical powder
Special risks
No special risks
Special protective equipment for firefighters
Wear self-contained breathing apparatus and protective suit

6. Accidental Release Measures

Personal precaution procedures
Use personal protective equipment
Methods for cleaning
Soak up with inert absorbent material and rinse with water

7. Handling and Storage

Handling
No special handling advice required
Storage
Keep well closed in properly labeled container at 2-8°C

8. Exposure Controls / Personal Protection

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

9. Physical and Chemical Properties

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

10. Stability and Reactivity

Stability

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

Hazardous decomposition products

No information available

Hazardous polymerization

Does not occur

11. Toxicological Information

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

12. Ecological Information

Ecotoxicological effects

No information available

Biodegradation

Biodegradable

Bioaccumulation

No information available

13. Disposal Considerations

Dispose of in accordance with local regulations

14. Transport Information

RID/ADR
Non-hazardous for road transport
IMDG
Non-hazardous for sea transport
IATA
Non-hazardous for air transport

15. Regulatory Information

R-phrases
No information available
S-phrases
No information available

16. Other Information

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.