

Material Safety Data Sheet (MSDS)

MAGic™SPRI HMW

1. Product and Company Information

Product name

MAGic™SPRI HMW

General use

The product is intended for the purification of nucleic acids following PCR and for the cleanup of nucleic acid samples prior to long-read sequencing. For *in vitro* research use only. Not intended for use in humans or animals.

Product number

41xx

Chemical family

Not defined

CAS number

Not yet assigned

Manufacturer's name and address

MAGic Bioprocessing (Lab-on-a-Bead AB), Virdings Allé 28, SE-75450 Uppsala, Sweden,

Contact person

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Product use

This product is designed for PCR purification, as well as long read sequencing. Not for animal or human use.

2. Hazards Identification

Classification of the substance

None

Product definition

The product is a mixture.

Classification according to regulation (EC) No.1272/2008(CLP/GHS) and 67/548/EEC

Not classified as hazardous.

Ingredients of unknown toxicity

No information available, product should be handled with caution.

Ingredients of unknown ecotoxicity

No information available. Prevent spills into the environment.

Ingredients of known ecotoxicity

None of the ingredients are of known ecotoxicity.

Physical/chemical hazards

None

Label elements

None

Hazard statement

None

Precautionary statements**Prevention**

Wear protective clothing. Wear protective gloves. Wear eye or face protection, use safety glasses with side protection.

Response

If on skin or hair, take off contaminated clothing. Rinse with plenty of water.

Storage

Keep cool

Other hazards which do not result in classification

Not available

Potential health effects

Eyes: No data available

Skin: No data available

Ingestion: No data available

Inhalation: No data available

Effects of acute exposure after ingestion or inhalation

No data available

Effects of chronic exposure

No data available

3. Composition/Information on Ingredients

Ingredients/Components

The components of this product are as follows: MAGic™ SPRI HMW beads in binding buffer (mainly consisting of polyethylene glycol, and sodium chloride), none of which are classified as hazardous at present concentrations.

CAS Registry Number

Not yet assigned

4. First Aid Measures

Inhalation

Remove exposed subject to fresh air. Seek immediate medical attention if symptoms appear.

Ingestion

Do not ingest. Seek immediate medical attention if symptoms appear.

Skin

Wash skin with soap and rinse with plenty of water. Seek medical attention if irritation develops.

Eyes

Immediately flush eyes with plenty of water. If symptoms such as redness or irritation develop, seek immediate medical attention.

Protection for first aiders

No action shall be taken involving any personal risk without suitable training.

Most important symptoms and effects, acute and delayed

Potential acute health effects

Eye contact

No known acute effect

Inhalation

No known acute effect

Skin contact

No known acute effect

Ingestion

No known acute effect

Over exposure signs

Eye contact

No data available

Inhalation

No data available

Skin contact

No data available

Ingestion

No data available

5. Fire Fighting Measures

Extinguishing media

Use dry chemical, CO₂, water or foam

Conditions of flammability

Flash point

No data available

Initial boiling point

No data available

Auto-ignition temperature

No data available

Hazards from the substance or mixture

No hazards present in mixture

Hazardous combustion products

No data available

Advice to firefighters

Special precautions for firefighters

Isolate the fire scene by removing all people from the vicinity of the incident if there is a fire. No involvement of untrained personnel should take place. Move all containers to a safe area. Use water spray to keep containers cool.

Special protective equipment for fire-fighters

Fire fighters should wear appropriate protective gowning and self-contained full face breathing apparatus. MAGic™SPRI HMW is stable under normal environmental storage conditions.

Explosion data

MAGic™SPRI HMW is not explosive.

6. Accidental Release Measures

Procedures to be followed in case of a leak or spill

For small spills of solution, dilute with water and mop up. For large spills, contain and collect spillage and follow national and local regulations for disposal of the spill.

Avoid spreading the product as much as possible.

7. Handling and Storage

Handling procedures

Put on appropriate protective equipment, do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapors and dust. Use only with adequate ventilation.

Storage requirements

Store in a closed lid container at 2-8 °C. Keep out of direct sunlight.

8. Exposure Controls/Personal Protection

Personal protective equipment to be used

Usual protection of all personnel using the product .

9. Physical and Chemical Properties

Physical state

MAGic™SPRI HMW is suspension of solids in water-PEG-NaCl mixture.

Odor and appearance

MAGic™SPRI HMW solution has no distinct odor. It is a suspension of black particles.

Specific gravity

No data available

Vapor pressure

No data available

Evaporation rate

No data available

Boiling point

Not determined

Freezing point/melting point

No data available

pH

Near neutral pH

10. Stability and Reactivity

Conditions under which the product is chemically unstable

None known

Name of any substance or class of substance with which the product is incompatible

None known

Conditions of reactivity

MAGic™SPRI HMW is not reactive

Hazardous decomposition products

Decomposition products should not be produced at specified storage conditions.

11. Toxicological Information

Irritancy

No studies have been performed on irritancy.

Sensitization

No studies have been performed on sensitization.

Carcinogenicity

No carcinogenicity studies have been conducted.

Reproductive toxicity

No data available

Teratogenicity

No studies on teratogenicity have been conducted.

Mutagenicity

No studies on mutagenicity have been performed.

Name of toxicologically synergistic products

None known

12. Ecological Information

Toxicity

Not studied

Degradability

Not studied

13. Disposal Considerations

Waste disposal

Generation of waste should be avoided as much as possible. Avoid spreading waste. Disposal or recycling of waste should agree with Environmental Regulations, local or national. Containers should not be reused but recycled after thorough rinse with water.

Within the present knowledge of MAGic Bioprocessing (Lab-on-a-Bead AB), MAGic™SPRI HMW is not classified as dangerous waste according to the EU directive 91/689/EEG.

14. Transport Information

International directives for transportation

RID/ADR

Non-hazardous for road transport

IMDG

Non-hazardous for sea transport

IATA

Non-hazardous for air transport.

Special shipping information

None

15. Regulatory Information

This document complies with Controlled Products Regulations and the MSDS contains all the information required by those regulations.

Classification and labelling according to EU directive 67/548/EEC

None

CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVE EC 1272/2008(CLP)
none

Caution: Product not yet fully tested, use protection as directed in section 7

16. Other Information

WARRANTY

The above information is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product regarding appropriate safety precautions. It does not represent any guarantee of the properties of the product. MAGic Bioprocessing (Lab-on-a-Bead AB) shall not be held liable for any damage resulting from handling or from contact with the above product.

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