

Material Safety Data Sheet
Version No.: 1.0 (Rev. date : 2019-06-18)

Magnetic Nano Bead

1. Product and company identification

Product Name : Magnetic Nano Bead

Recommended Use : Research Use Only

Supply Information

Company : Bioneer

Address : 8-11 Munpyeongseo-ro, Daedeok-gu, Daejeon 306-220, Republic of Korea

Emergency telephone number : 82-42-930-8777

2. Hazards identification

A. Classification of the hazardous chemical

No information

B. Label elements, including precautionary statements

Pictogram

No information

Signal word

No information

Hazard statements

No information

C. Precautionary statements

No information

D. Other Risks/Hazards Not Included in Risk/Hazard Classification

Health 1 Fire 2 Reactivity 0

3. Composition/information on ingredients

Chemical name	Synonyms	CAS No.	Weight (%)
FERRIC-FERROUS OXIDE		1317-61-9	< 10%

4. First aid measures

A. Eye contact

Rinse thoroughly with plenty of water for at least 20 minutes.

Take immediate medical attention.

B. Skin Contact

Rinse thoroughly with plenty of water for at least 20 minutes.

Remove contaminated clothing and shoes and isolate contaminated areas

Take immediate medical attention.

C. Inhalation

Move to fresh air. If breathing is difficult, give oxygen

D. Ingestion

Never give anything by mouth to an unconscious person.

Take immediate medical attention.

E. Notes to Physician

5. Fire-fighting measures

. Suitable Extinguishing Media: Water-spray, Dry chemical, CO2

. Flammable Properties: No information available

. Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

6. Accidental release measures

. Personal Precautions: remove all ignition source. Prevent further spillage if safe to do so

. Environmental precautions : Absorb the sand or vermiculite. Prevent from waterway, drain, basement, close space.

. Methods for cleaning up: Wash contaminated area with plenty of water if small leakage.

Absorb with sand and inflammable material in small spill site. and Pick up and transfer to

properly labeled containers.

7. Handling and storage

A. Handling precautions : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Wash hands thoroughly after handling.

B. Storage precautions : Keep sealed and store. Keep container tightly closed in a dry and well ventilated place.

8. Exposure controls / personal protection

A. Chemical Exposure Standards, Biological Exposure Standards Etc. : No data available

B. Proper physical management : No data available.

C. Personal protection

Respiratory protection : Use respiratory protection appropriate for the particular material and its physical and chemical properties.

Eyes protection : Use goggles appropriate for the particular material and its physical and chemical properties.

Hands protection : Handle with gloves. Gloves must be inspected prior to use.

Body protection : impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. Physical and chemical properties

A. Appearance : No information

B. Odor : No information

C. Odor threshold : No information

D. pH : No information

E. Freezing/Melting point : No information

F. Boiling point and Range : No information

G. Flash point : No information

H. Evaporation speed : No information

I. Flammability (Solid, Gas) : No information

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- J. Ignition or explosion range : No information
 - K. Vapor pressure : No information
 - L. Solubility : No information
 - M. Vapor density : No information
 - N. Specific weight : No information
 - O. n-Octanol/Water solubility coefficient : No information
 - P. Self-Flammability : No information
 - Q. Decomposition temperature : No information
 - R. Viscosity : No information
 - S. Molecular weight : No information
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10. Stability and Reactivity

- A. Chemical stability and toxic reaction potential : Stable under recommended storage conditions.
 - B. Conditions to avoid : No information
 - C. Possibility of hazardous reactions : Keep away from heat/sparks/open flames/hot surfaces.
 - D. Conditions to avoid : No information
 - E. Hazardous decomposition products : No information
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11. Toxicological information

- A. Probable exposure paths
 - Respiratory : May cause irritation upon inhalation.
 - Oral : May cause irritation upon ingestion.
 - Eyes/skin : May cause irritation upon contact. Can cause skin irritation.
 - B. Health hazard information
 - Acute toxicity : No information
 - Skin corrosion/irritation : Can cause skin irritation.
 - Serious eye damage/eye irritation : May cause irritation.
 - Respiratory or skin sensitization : No information
 - Carcinogenicity : No information
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- Germ cell mutagenicity: No information
 - Reproductive toxicity : No information
 - Specific target organ toxicity (single exposure) : No information
 - Specific target organ toxicity (repeated exposure) : No information
 - Aspiration hazard: No information
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12. Ecological information

- A. Biological toxicity : No information
 - B. Persistency and Degradability : No information
 - C. Bioconcentration : No information
 - D. Soil mobility : No information
 - E. Other toxic effects : No information
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13. Disposal considerations

- A. Disposal method : Dispose of the contents container (in accordance with the relevant laws and regulations).
 - B. Disposal considerations : Observe all local and national environmental regulations if applicable.
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14. Transport information

- A. UN No : No classification information
 - B. UN proper shipping name : No classification information
 - C. Transport hazard class : No classification information
 - D. Packaging group : No classification information
 - E. Environmental hazards : No classification information
 - F. Special Safety Measures for Users Regarding Shipping or Shipping Measures : No classification information
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15. Regulatory information

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- A. Industrial safety and health regulation : No information
 - B. Hazardous chemical management regulation : No information
 - C. Dangerous material management regulation : No information
 - D. Waste management regulation : No information
 - E. Other domestic and international regulations : No information
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16. Other information

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