

SAFETY DATA SHEET

1. Identification of the Substance/Preparation and of the company/ Undertaking

Product Name : MagnaStand (Magnetic Stand)

Application of the substance/ the preparation : Laboratory use magnets (neodymium iron permanent magnets)

Company : MagGenome Technologies Pvt. Ltd.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. Chemical Composition

Identification

This magnetic stand contains small neodymium-boron-iron permanent magnets surrounded by high density polyethylene (HDPE) plastic stand.

Emergency Overview

Ingredient Name	CAS Number	%
Neodymium	7400-00-8	<2%
Boron	7558-79-4	<2%
Iron	7647-14-5	<2%

Physical Appearance

Small white high-density polyethylene stand containing twelve small, embedded magnets

3. Potential Health Effects

Routes of entry : Not applicable under recommended use conditions

Acute Eye : Not applicable

Acute Skin : Not applicable

Acute Inhalation : Not applicable

Acute ingestion : Not applicable

4. First Aid Measures

Skin Exposure : Not applicable

Eye Exposure : Keep magnetisable metal tools and objects away from the working area

Ingestion : seek medical attention immediately

Inhalation : Not applicable

5. Firefighting measures

Fire : Materials contained in this product are not considered to be a fire hazard

Autoignition : Not applicable

Flash Point : Not applicable

Flammability Limits (vol/vol%) : Not applicable

Lower: Upper : Not applicable

Extinguishing Media : Use extinguishing media appropriate for surrounding fire

Special Fire Fighting Procedures

: Use extinguishing media appropriate for surrounding fire such as water spray, carbon dioxide, dry powder. Wear full protective clothing and NIOSH-approved self-contained breathing apparatus. Avoid inhalation of material or combustion by-products.

Unusual Fire and Explosion Hazards

: In a fire, dry powders of neodymium magnets will oxidize, smolder, and burn in the presence of air or oxygen. Maintain powders in water slurry or in inert atmosphere of nitrogen or argon to prevent spontaneous combustion. Magnets may spark on impact. Handle carefully in explosive atmospheres.

6. Accidental Release Measures

Personal Precautions : Always wear recommended Personal Protective Equipment
Methods for cleaning up : Soak up with inert absorbent material
Environmental precautions : No special environmental precautions required

7. Handling and Storage

Handling : Warning- this product contains strong permanent magnets. People wearing a pacemaker or any other magnetizable medical implant should not use this product. Implants can be affected or damaged by a strong magnetic field.
Storage : Keep the magnet away from credit cards and electronic recording or other electronic devices such as computers and monitors. Keep away from metal objects.

8. Exposure Controls/ Personal Protection

Exposure Guidelines

Ingredient Name	ACGIH TLV (mg/m ³)	NIOSH
Neodymium	Not established	Not listed
Boron	10mg/ m ³	Not listed
Iron	10mg/ m ³	Not listed

Engineering Controls : Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS. General room ventilation is satisfactory under anticipated use conditions.
Respiratory Protection : Not required under anticipated use conditions. In case of dust exposure use NIOSH approved respirator when TLV is exceeded.
Eye / Face Protection : Wear appropriate safety glasses with side shields or chemical goggles as described by OSHA's eye and face protection regulations in 29CFR 1910.133 or European Standard EN166.
Skin Protection : Not applicable

9. Physical and Chemical Properties

Component : Magnetic Stand
Physical Appearance : White plastic component
Percent Purity : Not applicable
Boiling Point : Not applicable
Melting Point : Above 2500 (neodymium magnet)
Specific gravity : 7.4 (neodymium magnet)
Freezing Point : Not applicable
pH : Not applicable
Solubility in water : Not soluble

The magnetic field strength at a distance of 4.6m (15 ft) from any point on the surface of the assembled consignment does not exceed 0.0000 gauss.

10. Stability and Reactivity

Chemical Stability	: Stable
Conditions to Avoid	: Do not freeze
Materials / Chemicals to Be Avoided	: Not applicable
Hazardous Decomposition Products	: Phosphorus oxides may form when heated to decomposition
Hazardous Polymerization	: Will not occur

11. Toxicological information

Acute toxicity/Conclusion/Summary	: Not applicable
Chronic toxicity/Conclusion/Summary	: Not applicable
Carcinogenicity/Conclusion/Summary	: No known significant effects or critical hazards
Mutagenicity/Conclusion/Summary	: No known significant effects or critical hazards
Teratogenicity/Conclusion/Summary	: No known significant effects or critical hazards
Reproductive toxicity/Chronic effects	: No known significant effects or critical hazards
Developmental effects	: No known significant effects or critical hazards
Fertility effects	: No known significant effects or critical hazards

12. Ecological Information

Environmental effects	: No known significant effects or critical hazards
Aquatic ecotoxicity/ Conclusion/ Summary	: Not applicable
Other adverse effects	: No known significant effects or critical hazards.

13. Disposal considerations

Waste disposal	: Generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Hazardous waste	: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

14. Transport Information

Regulatory Information

DOT Classification	: Not regulated
IATA-DGR Class	: Not regulated
UN number	: Not regulated
Proper shipping name	: Not regulated
Packing group	: Not regulated
HCS Classification	: Not regulated

Non-Hazardous for Transport: This substance is non-hazardous for transport.

15. Regulatory Information

U.S. Regulations: United States inventory (TSCA 8b)	: All components are listed or exempted
Other Regulations	: European/International Regulations

EC Classification : This product is not classified according to EU legislation
Risk Phrases : None

16. Other information

Key legend Information

N/A	: Not Applicable
ND	: Not Determined
ACGIH	: American Conference of Governmental Industrial Hygienists
OSHA	: Occupational Safety and Health Administration
TLV	: Threshold Limit Value
PEL	: Permissible Exposure Limit
TWA	: Time Weighted Average
STEL	: Short Term Exposure Limit
NTP	: National Toxicology Program
IARC	: International Agency for Research on Cancer

MSDS prepared by : MagGenome Technologies Pvt. Ltd.

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