

SAFETY DATA SHEET

1. Identification of the Substance/Mixture and of the Company/Undertaking

Identification

Product code 1707MS-12
Product name Magnetic stand (neodymium iron permanent magnets 6. Nos)

Company/Undertaking Identification

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

2 Chemical composition

Identification

This magnetic stand contains 6 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 highdensity polyethylene stand containing six 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 measure

First Aid Measures for Accidental Exposure:

Eye Exposure:

Keep magnetisable metal tools and objects away from the working area.

Skin Exposure:

Not applicable

Inhalation:

Not applicable

Ingestion:

SEEK MEDICAL ATTENTION IMMEDIATELY.

5 Fire Fighting Measures

Fire Hazard Data:

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 Use personal protective equipment.

Methods for cleaning up Soak up with inert absorbent material.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

See Section 12 for additional information

7 Handling and storage

Handling:

Warning- this product contains strong permanent magnets. People wearing a pace maker 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	10 mg/m ³	Not listed
Iron	10 mg/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:

Unknown

Boiling Point:

Unknown

Melting Point:

Above 2500 (neodymium magnet)

Specific gravity: 7.4 (neodymium magnet)

Freezing Point:

Not Available

pH:

Not applicable

Solubility in water:

Not soluble

10 Stability and reactivity

Chemical Stability:

Stable.

Conditions to Avoid:

Do not freeze.

Materials / Chemicals to Be Avoided:

No information available

Hazardous Decomposition Products:

Phosphorus oxides may form when heated to decomposition

Hazardous Polymerization

Will not occur.

11 Toxicological information

Acute toxicity/Conclusion/Summary:

To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.

Chronic toxicity/Conclusion/Summary:

Not available.

Carcinogenicity/Conclusion/Summary:

Not available.

Mutagenicity/Conclusion/Summary:

Not available.

Teratogenicity/Conclusion/Summary:

Not available.

Reproductive toxicity/Chronic effects:

No known significant effects or critical hazards.

Carcinogenicity:

No known significant effects or critical hazards.

Mutagenicity:

No known significant effects or critical hazards.

Teratogenicity:

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 available.

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 at all times 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 Transportation 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 regulate

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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