

Neodymium (N42) - Material Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION		
Product Name:	Neodymium (N42)	
Supplier:	Magnet Expert Ltd	
Address:	Magnet Expert Ltd, Walker Industrial Estate, Ollerton Road, Tuxford, Nottinghamshire, NG22 0PQ	
Normal hours call:	0845 519 4701	
SECTION 2: INGREDIENTS		
Ingredients Name	CAS NO.	% by Wt
Neodymium	7440-00-8	25-32%
Dysprosium	7429-91-6	01-1.0%
Aluminium	7429-90-5	0.1-1.0%
Boron	744-42-8	0.1-1.0%
Copper	7440-50-8	0.1-1.0%
Niobium	7440-03-1	0.1-1.0%
Iron	7439-89-6	Balance
SECTION 3: HAZARDS IDENTIFICATION		
Chemical Hazard:	No record	
Health hazards:	Strong magnets can nip skin on fingers if allowed to jump together.	
Environmental risks:	Pb < 2ppm. Cr+6 < 2ppm. Cd < 2ppm. Hg < 2ppm	
Physical Hazard:	Strong magnets in close proximity to magnetically stored media can erase it. Magnetic fields can affect sensitive electronic equipment	
SECTION 4: FIRST AID MEASURES		
Eye Contact:	No record	
Skin Contact:	No record	
Inhalation:	No record	
If Swallowed:	No record	
SECTION 5: FIRE FIGHTING MEASURES		
Flammable properties:	No record	
Hazardous combustion products(A):	No record	
Extinguishing media(S):	No record	
Special Fire Fighting Procedures:	No record	
Unusual fire and explosion hazards:	No record	
SECTION 6: ACCIDENTAL RELEASE MEASURES		
Magnets:	No record	
Powders:	No record	
SECTION 7: HANDLING AND STORAGE		
Magnetised material should be packed with cushioned lining and steel shielding to protect the magnets and contain the magnetic field.		
Temperatures above 80 °C will magnetically damage the magnets.		

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Skin Protection:	No record
Eye Protection:	No record
Respiratory Protection:	No record
Additional Precautions:	No record

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Material Form:	Solid state
Appearance:	Not applicable
Boiling Point:	Not applicable
Vapor Pressure:	Not applicable
Odor:	Odorless
Solubility:	Not applicable
Vapor Density:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Stability:	Not applicable
Incompatibility (Materials to Avoid):	Not applicable
Conditions to Avoid:	Not applicable

SECTION 11: TOXICOLOGICAL INFORMATION

Irritation:	Not applicable
Carcinogenicity:	Not applicable
Chronic toxicity:	No applicable

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	No record
Bioaccumulation:	No record
Persistence and Degradability:	No record
Mobility in Soil:	No record

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Recycling by manufacturers of rare earth materials
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SECTION 14: TRANSPORT INFORMATION

No record

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SECTION 15: REGULATORY INFORMATION

Be in compliance with local regulations.

SECTION 16: OTHER INFORMATION

The above information is based on our present knowledge, it shall be used only as a guide in general

It shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Magnet Expert Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

Signed.....David Gault.....
Head of Production

Date: 11/08/2021

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