



169 Lexington Court, Unit I
 Waterloo, ON, N2J 4R9
 Tel: 519-746-4761
 Fax: 519-747-5636
 E-mail: info@indigoinstruments.com

Material Safety Data Sheet

IDENTITY (As Used on Label and List): Grade: N42 Neodymium Magnets
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Section I

Manufacturer's Name: Pinetree Instruments Inc. (dba Indigo Instruments)	Emergency Telephone Number: (519) 746-4761
Address: (Number, Street, City, State, & ZIP Code) 169 Lexington Court, Unit i	Telephone Number for Information: (519) 746-4761
Waterloo, ON N2J 4R9	Date Prepared: 1st May 2020
	Signature of Preparer (optional)

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% <i>optional</i>
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N42 Neodymium magnet is produced from the following metals:				
Neodymium (Nd), Iron (Fe), Boron (B) and may be Nickel (Ni) plated for corrosion resistance				
May also contain trace level impurities (PPM)				



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Section III - Physical/Chemical Characteristics

Boiling Point:	None	Specific Gravity (H ₂ O = 1):	>7.0gm / cc
Vapor Pressure (mm Hg.):	N/A	Melting Point:	N/A
Vapor Density (AIR = 1):	N/A	Evaporation Rate: (Butyl Acetate = 1)	N/A
Solubility in Water: Insoluble			
Appearance and Odor: – Bright, silvery, metal luster with no odor			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): - N / A	Flammable Limits: – N/A	LEL	UEL
Extinguishing Media: – Carbon Dioxide, Water, Dry Chemical, Foam, Halon			
Special Fire Fighting Procedures: - None			
Unusual Fire and Explosion Hazards: - None			

Section V - Reactivity Data

Stability:	Unstable		Conditions to Avoid: High temperature and moisture
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>): water, strong acid and alkali			
Hazardous Decomposition or Byproducts:			
Hazardous Polymerization:	May Occur		Conditions to Avoid:
	Will Not Occur	X	



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Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? X	Skin?	Ingestion? X
Health Hazards (<i>Acute and Chronic</i>): – If ground and a dust results, maintain at TLV 15mg / m3			
Neodymium, one of the components of these magnets, has a low to moderate acute toxic rating and should be handled with care			
Carcinogenicity:	NTP? – None Reported	IARC Monographs? – None Reported	OSHA Regulated? – None Reported
Signs and Symptoms of Exposure: - Unknown			
Medical Conditions: Generally Aggravated by Exposure - Unknown			
Emergency and First Aid Procedures: – Wash dust / powder from skin, prevent ingestion, move to fresh air			



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Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: – Using recommended PPE, sweep up and discard. Does not present any unusual hazard
Waste Disposal Method: – To be performed in compliance with all Local, State and Federal regulations
Precautions to Be taken in Handling and Storing: – In accordance with good industrial practice, handle with care. Product should be stored in ventilated, dry and anti-corrosion places
Keep materials away from: 1) Water, strong acid and alkali, 2) high temperature and fire 3) goods made of iron
Other Precautions: – Magnetized product should be packed with lining and shielding. Move carefully without shaking. Packed in collision & rain proof material

Section VIII - Control Measures

Respiratory Protection (<i>Specify Type</i>): – A half mask respirator approved for dust and mist protection is recommended		
Ventilation:	Local Exhaust: - Yes	Special:
	Mechanical (<i>General</i>): - Yes	Other:
Protective Gloves: – PVC coated is recommended		Eye Protection: – Safety glasses or splash shield
Other Protective Clothing or Equipment: – Eye Bath recommended		
Work/Hygienic Practices: - In accordance with good industrial practice, wash thoroughly after handling and before eating		