Material Safety Data Sheet

May be use to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (*As Used on Label and List)*
Neodymium Iron Boron (NdFeB)

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Alliance LLC	Emergency Telephone Number 219-548-3799
Address (*Number, Street, City, State, and ZIP Code)* 1150 Eastport Center Drive	Telephone Number for Information 219-548-7071
Valparaiso, Indiana 46383	Date Prepared 2-30-07
USA	Signature of Preparer *(optional)*

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% *(optional)*
Not established, low oral toxicity: LD_{50} orally > 1000mg chloride/kg rat				
Neodymium (CAS #7440-00-8) 16.0%-33.0%				
Praseodymium (CAS #7440-10-0) 0.0%-8.0%				
Boron (CAS #7440-42-8) 1.0%-1.5%				

Section III — Physical/Chemical Characteristics

Boiling Point	2600°C	Specific Gravity (H_2O = 1)	8.550
Vapor Pressure (mm Hg.)	NA	Melting Point	1412°C
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA

Solubility in Water
Negligible

Appearance and Odor
Silver metallic - odorless

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
NA			

Extinguishing Media
Metal fire agent

Special Fire Fighting Procedures
No water, use lime, sand

Unusual Fire and Explosion Hazards
Fine particles ignite readily and burn white hot.

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid Fine particles under oxidizing conditions.
	Stable	X	

Incompatibility *(Materials to Avoid)*

Acids

Hazardous Decomposition or Byproducts

None known

Hazardous Polymenzation	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? X Skin? Ingestion?

Health Hazards *(Acute and Chronic)*

Overexposure to some compounds (such as oxides, hydroxides, carbides, etc.) may irritate the skin, eyes, and mucous membrane.

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure

Medical Conditions

Generally Aggravated by Exposure: Dust may aggravate respiratory problems

Emergency and First Aid Procedures

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Sweep-up spilled material.

Waste Disposal Method

Normal - dispose of in an approved chemical landfill.

Precautions to Be Taken in Handling and Storing

Avoid strongly oxidizing conditions.

Other Precautions

Finely divided metal can oxidize rapidly -- store under inert conditions.

Section VIII — Control Measures

Respiratory Ptortection *(Specify Type)*

Wear a respirator if dusting is a problem.

Ventilation	Local Exhaust Provide for dust	Special NA
	Mechanical *(General)* NA	Other NA

Protective Gloves Recommended	Eye Protection Recommended

Other Protective Clothing or Equipment

None

Work/Hygenic Practices

NA