



MSDS



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Issue Date: Jul. 03, 2025

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Applicant : Shenzhen Tiansheng Magnet Co., LTD
Address : Room 401, Building B7, Xiufeng Industrial City, Gankeng Community, Jihua Subdistrict, Longgang District, Shenzhen
Sample Name : NdFeB magnet
Sample Received Date : Jun. 30, 2025
Completed Date : Jul. 03, 2025



Prepared by: Anne

Checked by: Crystal

* Approved by: Miya

Anne

Crystal

Miya

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Materials Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Identification

Sample Name:	NdFeB magnet
Applicant:	Shenzhen Tiansheng Magnet Co., LTD
Address:	Room 401, Building B7, Xiufeng Industrial City, Gankeng Community, Jihua Subdistrict, Longgang District, Shenzhen
Manufacturer:	--
Address:	--
Contact Person:	--
Tel:	--
E-mail:	--

Section 2 - Hazards identification

Classification of the substance or mixture	Not classified.
Label elements	Pictogram: No symbol Signal word: No signal word Hazard statement(s): none Precautionary statement(s): none Supplemental Hazard: none
Other hazards	no data available

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Section 3 - Composition/Information on Ingredients

Chemical Composition	CAS No.	EC No.	Weight(%)
Iron	7439-89-6	231-096-4	67%
neodymium	7440-00-8	231-109-3	27%
praseodymium	7440-10-0	231-120-3	4%
boron	7440-42-8	231-151-2	1%
cobalt	7440-48-4	231-158-0	1%

Section 4 - First-aid Measures

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eyes	Rinse with pure water for at least 15 minutes. Consult a doctor.
Skin	Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.
Inhalation	Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.
Ingestion	Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

Section 5 - Fire Fighting Measures

Suitable extinguishing media	Special mixtures of dry chemical.
Special hazards arising from the substance or mixture	Excerpt from ERG Guide 133 [Flammable Solids]: Flammable/combustible material. May be ignited by friction, heat, sparks or flames. Some may burn rapidly with flare-burning effect. Powders, dusts, shavings, borings, turnings or cuttings may explode or burn with explosive violence. Substance may be transported in a molten form at a temperature that may be above its flash point. May re-ignite after fire is extinguished. (ERG, 2016)
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	no data available

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Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
Environmental precautions	Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up	Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

Section 7 –Handling And Storage

Precautions to be taken in handling and storing	Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.
Conditions for safe storage, including any incompatibilities	Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

Section 8 - Exposure Controls/Personal Protection

Appropriate engineering controls	Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.
Ventilation	No data available.
Other Protective Clothing or Equipment	No data available.
Personal Protection	Eye/face protection: Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US). Skin protection: Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective

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	gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Respiratory protection: If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator. Environmental exposure control: no data available
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Section 9 - Physical and Chemical Properties

Appearance	/
Odor	/
Colour	/
pH	No data available
Flash point	>230 °F
Boiling point	2750 °C(lit.)
Flammability	No data available
Density/relative density	5.25 g/cm ³ . Temperature: 25°C.
Water solubility	No data available
Solubility of other solvents	No data available

Section 10 - Stability and Reactivity

Chemical Stability	Stable in dry air but readily oxidizes in moist air forming "rust" (chiefly oxide, hydrated).
Conditions to avoid	Electrostatic discharge, heat, humidity, etc.
Incompatible materials	Iron and hydrogen peroxide ignite immediately if a trace of manganese dioxide is present.
Possibility of hazardous reactions	No data available.
Hazardous Polymerization	No data available

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Section 11 - Toxicological Information

Signs & symptoms	No data available
Inhalation	No data available
Skin contact	No data available
Ingestion	No data available

Section 12 - Ecological Information

Eco-toxicity	Toxicity to fish: LC0 - Danio rerio (previous name: Brachydanio rerio) - $\geq 50\,000$ mg/L - 96 h. Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna - > 100 mg/L - 48 h. Toxicity to algae: EC50 - Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) - 18 mg/L - 72 h. Toxicity to microorganisms: EC50 - activated sludge of a predominantly domestic sewage - $> 10\,000$ mg/L - 3 h.
Bioaccumulation potential	No data available
Environmental fate	No data available

Section 13 - Disposal considerations

Product	The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.
Contaminated packaging	Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

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Section 14 - Transport Information

UN number	ADR/RID: Not dangerous goods. (For reference only, please check.) IMDG: Not dangerous goods. (For reference only, please check.) IATA: Not dangerous goods. (For reference only, please check.)
UN proper shipping name	ADR/RID: Not dangerous goods. (For reference only, please check.) IMDG: Not dangerous goods. (For reference only, please check.) IATA: Not dangerous goods. (For reference only, please check.)
Transport hazard class(es)	ADR/RID: Not dangerous goods. (For reference only, please check.) IMDG: Not dangerous goods. (For reference only, please check.) IATA: Not dangerous goods. (For reference only, please check.)
Packaging group	ADR/RID: Not dangerous goods. (For reference only, please check.) IMDG: Not dangerous goods. (For reference only, please check.) IATA: Not dangerous goods. (For reference only, please check.)
Environmental hazards	ADR/RID: no IMDG: no IATA: no
Special precautions for user	No data available

Section 15 - Regulatory Information

Special requirement be according to the local regulations.

- 《Dangerous Goods Regulations》
- 《Recommendations on the Transport of Dangerous Goods Model Regulations》
- 《International Maritime Dangerous Goods》
- 《Technical Instructions for the Safe Transport of Dangerous Goods》
- 《Classification and code of dangerous goods 》
- 《Occupational Safety and Health Act 》 (OSHA)
- 《Toxic Substance Control Act》 (TSCA)
- 《Consumer Product Safety Act 》 (CPSA)
- 《Federal Environmental Pollution Control Act》 (FEPCA)
- 《The Oil Pollution Act》 (OPA)
- 《Superfund Amendments and Reauthorization Act TitleIII(302/311/312/313) 》 (SARA)

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《Resource Conservation and Recovery Act》(RCRA)

《Safety Drinking Water Act》(CWA)

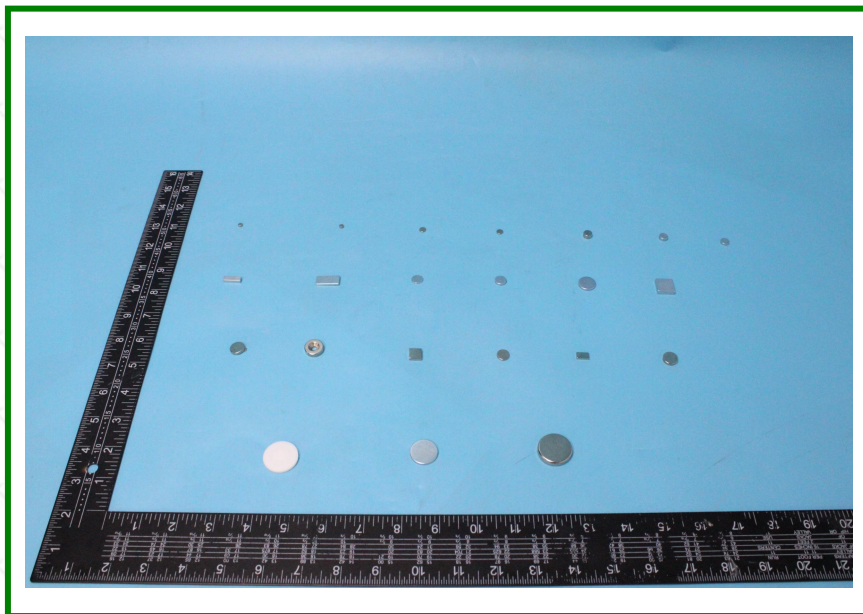
《California Proposition 65》

《Code of Federal Regulations》(CFR)

Section 16 - Other Information

Note	This Sheet is provided as technical information only. The information and recommendations set forth are made in good faith and believed to be accurate as of the date of preparation. Precise Testing & Certification (Guangdong) Co., Ltd.(PTC). makes no warranty, expressed or implied, with respect to this information and disclaims all liabilities from reliance on it.
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Photo of Sample:



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