

MSDS

Sample Name
& Model

Neodymium Magnet

Applicant

DONGGUAN COURAGE MAGNETOELECTRIC
TECHNOLOGY CO.,LIMITED

Address

No. 710, Unit 1, Building 2, Tianan Cyber Park, No. 1 Gold
Road, Nancheng Street, Dongguan City, Guangdong
Province.

P O N Y 谱尼测试
Pony Testing International Group
www.ponytest.com



No.: MSIPZEHG5621327U3
Code: jsi87ynfgb

Material Safety Data Sheet

Reference to ST/SG/AC.10/30/Rev.10 (GHS)

Section 1 - Chemical Product and Company Identification

Chemical Product Identification

Sample Name: Neodymium magnet

Sample Model: /

Recommended Uses: Widely used in motors, sensors, appliances, automobiles, communication equipment, variable frequency household appliances, medical equipment, electric tools, computers, mobile phones, smart homes, etc

Restrictions on Use: N/A

Supplier Name: DONGGUAN COURAGE MAGNETOELECTRIC TECHNOLOGY CO.,LIMITED

Address: No. 710, Unit 1, Building 2, Tianan Cyber Park, No. 1 Gold Road, Nancheng Street, Dongguan City, Guangdong Province.

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Section 2 - Hazards Identification

Emergency overview: Silvery solid.

Classification according to GHS

Not a dangerous substance according to GHS.

Label elements

Hazard pictogram(s): No available

Signal word: No available

Hazard statement(s): No available

Precautionary statement(s):

Prevention: No available

Response: No available

Storage: No available

Disposal: No available

Other hazards

Physical and chemical hazards: See Section 10

Human health hazards: See Section 11

Environmental hazards: See Section 12

Section 3 – Composition/Information on Ingredients

Chemical characterization: Mixture

Chemical Composition	CAS No.	EC#	Weight (%)
Neodymium	7440-00-8	231-109-3	28.5
Iron	7439-89-6	231-096-4	66.5
Praseodymium	7440-10-0	231-120-3	2.2
Boron	7440-42-8	231-151-2	0.5
Nickel	7440-02-0	231-111-4	0.2
Copper	7440-50-8	231-159-6	0.05
Dysprosium	7429-91-6	231-073-9	1.75
Terbium	7440-27-9	231-137-6	0.3

Section 4 - First Aid Measures

Description of first aid measures

General information Normal use does not require special measures, industrial production in the long term, refer to the following:

After eye contact

Flush eyes with water.

After skin contact

Wash with water and soap.

After inhalation

Remove victim to fresh area.

After swallowing

Do not induce vomiting. Get medical attention.

Personal protective equipment for first-aid responders: No data available.

Most important symptoms/effects, acute and delayed: No data available.

Indication of immediate medical attention and special treatment needed: No data available.

Section 5 - Fire Fighting Measures

Suitable extinguishing media:

Use extinguishing agent suitable for local conditions and the surrounding environment. Such as dry powder, CO₂.

Unsuitable extinguishing media: No data available.

Specific Hazards arising from the chemical: No data available.

Specific protective actions for fire-fighters:

Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.

Section 6 - Accidental Release Measures

Normal use does not require special measures, industrial production in the long term, refer to the following:

Personal precautions:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

Protective equipment:

No data available.

Emergency procedures:

Remove ignition sources, evacuate area. Sweep up using a method that does not generate dust.

Collect as much of the spilled material as possible, placed the spilled material into a suitable disposal container. Keep spilled material out of sewers, ditches and bodies of water.

Environmental precautions:

Do not allow material to be released to the environment without proper governmental permits.

Methods and materials for containment and cleaning up:

For all waste handling must refer to United Nations, National and Local Regulations for disposal.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7 - Handling and Storage

Normal use does not require special measures, industrial production in the long term, refer to the following:

Precautions for safe handling:

Storage in a cold, dry, well ventilated environment. Store away from food and water supplies. Wash your hands thoroughly before eating and drinking. Storage of chemicals needed to prevent the generation and accumulation of static electricity when handling the container.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well-ventilated place. Keep away from heat, avoiding the long time of sunlight. Keep container tightly sealed.

Section 8 - Exposure Controls/Personal Protection

Control parameters

CAS No.	ACGIH	NIOSH	OSHA
7440-00-8	N/A	N/A	N/A
7439-89-6	N/A	N/A	N/A
7440-10-0	N/A	N/A	N/A
7440-42-8	N/A	N/A	N/A
7440-02-0	TLV-TWA 1.5mg/m ³	REL-TWA 0.015mg/m ³	PEL-TWA 1mg/m ³
7440-50-8	TLV-TWA 0.2mg/m ³ TLV-TWA 1mg/m ³	REL-TWA 1mg/m ³ REL-TWA 0.1mg/m ³	PEL-TWA 0.1mg/m ³ PEL-TWA 1mg/m ³
7429-91-6	N/A	N/A	N/A
7440-27-9	N/A	N/A	N/A

Engineering control:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Personal Protective Equipment

Respiratory protection: Wear suitable protective mask in order to reduce the respiratory system. A large number of leakages, wear chemical protective clothing, including self-contained breathing apparatus.

Hand Protection: Wear appropriate protective gloves to reduce skin contact.

Eyes Protection: Wear safety goggles or eye protection combined with respiratory protection.

Skin and Body Protection: Working environment required, wear suitable protective clothing to minimize contact with skin. The type of protective equipment must be according to the concentration and the content of certain hazardous substances in the workplace.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties

Colour:

Silvery.

Physical State:

Solid.

Odour:

Not available.

pH:	Not available.
Melting point/freezing point:	Not available.
Boiling point or initial boiling point and boiling range:	Not available.
Flash Point:	Not available.
Flammability:	Not available.
Solubility:	Not available.
Lower and upper explosion limit/flammability limit:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Kinematic viscosity:	Not available.
Partition coefficient: n-octanol/water (log value):	Not available.
Vapour pressure:	Not available.
Density and/or relative density:	Not available.
Relative vapour density:	Not available.
Particle characteristics:	Not available.

Section 10 - Stability and Reactivity

Chemical Stability: Stable.

Possibility of hazardous reaction: No data available.

Conditions to Avoid: Incompatible materials.

Incompatible materials: No data available.

Hazardous Decomposition Products: Carbon oxide.

Section 11 - Toxicological Information

Acute Toxicity:

CAS No.	LC50/LD50
7440-00-8	No data available.
7439-89-6	No data available.
7440-10-0	No data available.
7440-42-8	LD50 Rat (oral): 650mg/kg
7440-02-0	No data available.
7440-50-8	No data available.
7429-91-6	No data available.
7440-27-9	No data available.

Skin corrosion/irritation: No data available.
Serious eye damage/irritation: No data available.
Respiratory or Skin sensitization: No data available.
Germ Cell mutagenicity: No data available.
Carcinogenicity: No data available.
Reproductive toxicity: No data available.
Specific target organ toxicity-Single exposure: No data available.
Specific target organ toxicity-Repeated exposure: No data available.
Aspiration hazard: No data available.
Information on the likely routes of exposure: No data available.
Eye: No data available.
Skin: No data available.
Ingestion: No data available.
Inhalation: No data available.

Section 12 - Ecological Information

Ecological Toxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.
Other adverse effects: No data available.

Section 13 - Disposal Considerations

Disposal methods:
Recommendation:
Consult state, local or national regulations to ensure proper disposal.
Uncleaned packaging
Recommendation: Disposal must be made according to official regulations.

Section 14 - Transport Information

UN or ID Number	
IMDG, Model Regulation	N/A
Proper Shipping Name/Description	
IMDG, Model Regulation	N/A

Class or Div. (Sub Hazard)	
IMDG, Model Regulation	Not Subjected for transport of dangerous goods
Packing Group	
IMDG, Model Regulation	N/A
Hazard Label	
IMDG, Model Regulation	N/A
Environmental hazards	
Marine pollutant:	No
IMDG EmS:	---
Special precautions for user	No information available.

Transport Fashion: By sea, by railway, by road.

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

CAS No.	TSCA	IECSC	DSL/NDSL	EINECS/ ELINCS/ NLP
7440-00-8	Listed	Listed	Listed DSL	Listed
7439-89-6	Listed	Listed	Listed DSL	Listed
7440-10-0	Listed	Listed	Listed DSL	Listed
7440-42-8	Listed	Listed	Listed DSL	Listed
7440-02-0	Listed	Listed	Listed DSL	Listed
7440-50-8	Listed	Listed	Listed DSL	Listed
7429-91-6	Listed	Listed	Listed DSL	Listed
7440-27-9	Listed	Listed	Listed DSL	Listed

Section 16 - Other Information

Issue Date: 2024-02-01

Issue Department: Technical department

Modification record:

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.



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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other Information:

CAS: (Chemical Abstracts Service);

EC: (European Commission);

ACGIH: (American Conference of Governmental Industrial Hygienists);

NIOSH: (US National Institute for Occupational Safety and Health);

OSHA: (US Occupational Safety and Health);

TLV: (Threshold Limit Value)

TWA: (Time Weighted Average);

STEL: (Short Term Exposure Limit);

PEL: (Permissible Exposure Level);

REL: (Recommended Exposure Limit);

PC-STEL: (Permissible concentration-short time exposure limit);

PC-TWA: (Permissible concentration-time weighted average);

IARC: (International Agency for Research on Cancer);

LC50: (Lethal concentration, 50 percent kill);

LD50: (Lethal dose, 50 percent kill);

EC50: (Median effective concentration);

BCF: (Bioconcentration Factor);

BOD: (Biochemical oxygen demand);

IECSC: (Inventory of Existing Chemical Substances in China);

NOEC: (No observed effect concentration);

NTP: (US National Toxicology Program);

RTECS: (Registry of Toxic Effects of Chemical Substances);

TOC: (Total Organic Carbon);

TSCA: (Toxic Substances Control Act of USA);

DSL: (the Domestic Substances List of Canada);

NDSL: (the Non-domestic Substances List of Canada);

IATA: (International Air Transport Association);

IMDG: (International Maritime Dangerous Goods);

TDG: (Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations)

Approver: *Chunmei Zheng*

End of report