

Material Safty Data Sheet (MSDS)

Applicant : QS-Mag Technology Co., Ltd
Address : Building 1, No. 5 Shaling Industrial Road, Xiakou, Dongcheng District, Dongguan, Guangdong
Sample Name : NdFeB Magnet

Approved by: Henry

Issue date: Jan



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Section 1 - Chemical Product and Company Identification

Product Name: NdFeB Magnet

Manufacture : QS-Mag Technology Co., Ltd

Address : Building 1, No. 5 Shaling Industrial Road, Xiakou, Dongcheng District, Dongguan, Guangdong

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Section 2 Composition/Information on Ingredient

Pure ☐Admixture ☐

Chemical Name	Wt(%)	CAS No.
Nd	1.56	7440-00-8
Pr	22.70	7440-10-0
Fe	73.17	7439-89-6
B	1.11	7440-42-8
Al	0.08	7429-90-5
Gd	0.27	7440-54-2
Cu	0.02	7440-50-8
Ce	0.10	7440-45-1
Zn	0.99	7440-66-6

Abbreviation CAS: Chemical Abstract Service NA = Not apply.

Section 3 Hazards Identification

Fatalness grade: In accordance with GHS, the sample is not divided into dangerous article.

Invasion route: (e.g, inhalation, Eye Contact, Skin Contact, Ingestion, etc).

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Health hazards:	If it splashes into the eye, focal necrosis, corneal pigment deposition, lens membrane changes, and vitreous opacity may occur.
Environment hazards:	No environmental pollution.
Burn & burst danger:	non combustible.

Section 4 - First Aid Measures

Skin touch:	Remove contaminated clothes and rinse the skin with plenty of water. Get medical aid.
Eyes touch:	Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water. Get medical aid.
Inhalation:	move to fresh air immediately. Keep the respiratory tract smooth. Use oxygen if available. Get medical aid.
Ingestion:	Drink sufficient hot water and induce vomiting. Get medical aid.

Section 5 –Fire Fighting Measures

Hazardous combustion products:	Metal products do not burn.
Extinguishing media:	Selection of appropriate fire extinguishing measures. Dry powder, foam, sandy clay, Carbon dioxide (CO ₂), mist like water.
Fire-Fighting method:	The staff must equip with filtermask (full mask) or isolated breathing apparatus. The staff must wear the clothes which can defense the fire and the toxic gas. Put out the fire in the upwind direction.

Section 6 - Accidental Release Measures

Emergency treatment:	Evacuate the personnel to a safe place as soon as possible. Cut off the fire source.
Cleaning method:	Small amount of divulgence: clean off. Put into bags and transfer to safe places. Massive divulgence: Seal the leak. Absorb the overflow with inert material (e.g., sand, soil, diatomite, vermiculite).
Personal Precautions:	Maintain working environment according with human body engineering. (see Chapter 8).

Section 7 - Handling and Storage

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Handling precautions: The operating personnel must strictly abide by the rules. When carrying light unloading.

Storage: Store in a cool(5°C~40°C), ventilated warehouse. Keep away from fire and heat. Should be stored separately with food.

Section 8 - Exposure Controls, Personal Protection

Max admissible concentration: substances without critical values.

Respiratory protection : Not necessary under normal conditions. When the concentration is above the contact limit, the appropriate respirator must be used. The use of breathing apparatus must be strictly followed the guidance of the manufacturer and the purchase and use of the relevant instructions.

Ventilation protection : To supply with sufficient air exhaust. Technical measures are adopted to meet the occupational exposure limits.

Work / Hygienic practices: Smoking, eating and drinking are prohibited in the workplace..

Eyes Protection: wear chemical safety glasses if needed.

Body Protection: Wear work clothes.

Hands Protection: Wear protective gloves.

Section 9 - Physical and Chemical Properties

Appearance	Solid	Color	Silver
odor	No odor	PH	No odor
Boiling point	No odor	Melting Point	>780°C
Flash point	No data	density(water=1)	7.5g/cm ³
Oxidising properties	No oxidation	Upper explosive limits in air-Lower	No data
Solubility(water)	Insoluble in water	Partition coefficient (n-octanol / water)	No data
Viscosity	No data	Vapour density	No data
Evaporation rate	No data	Ignition Temperature	No data

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Acid value	No data	Permission of solvent inhalation	No data
Pour point	No data	-	-

Section 10 - Stability and Reactivity

Stability:	Stable under recommended storage condition.
Distribution of Ban:	strong acid、strong oxidant.
Conditions to Avoid :	High temperatures、High humidity.
Hazardous Polymerization:	There is no harm in normal operation process.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 - Toxicological Information

Acute Toxicity:	No known significant effects or critical hazards.
Sub-acute and Chronic Toxicity	No known significant effects or critical hazards.
Stimulation:	No known significant effects or critical hazards.
Sensitization:	Is not divided into allergens.
Mutagenicity:	This product has not been classified as mutagenic material.
Carcinogenicity:	This product has not been classified as carcinogenic substances.

Section 12 - Ecological Information

Eco-toxicity:	No known significant effects or critical hazards.
Biodegradable:	No known significant effects or critical hazards.
Non-biodegradable:	No known significant effects or critical hazards.
Bioconcentration or biological accumulation:	No known significant effects or critical hazards.

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Other harmful effects: No known significant effects or critical hazards.

Section 13 - Disposal Considerations

Waste disposal methods: Don't pour waste into the sewer. Transfer to professional hazardous waste for disposal.

Attention abandoned: Must treat specially under regulations of government.

Section 14 - Transport Information

dangerous mark: Not applicable **UN Number** Not applicable

Mode of transport: sea transportation, air transportation **Packaging Method:** III

Transport Attentions : International transportation of dangerous goods (ADR/RID): No special requirements.
International Maritime Dangerous Goods (IMDG/IMO): No special requirements.
International Civil Aviation Organization / International Air Transport Association (ICAO/IATA): No special requirements.
International transport of dangerous goods by Inland Waterways (ADN): No special provisions.
Examine whether the package of the containers are integrate or not before transport. No divulgence, no collapse, no precipitation or no damage during the course of transportation. During transport, For stopovers, the vehicle should be away from fire and heat sources. When transported by sea and air transport, the assemble place should keep away from bedroom and kitchen.

Section 15 - Regulatory Information

Regulatory Information : GHS - Globally harmonized system of classification and labelling of chemicals.

Risk Phrases: Safety advises:
Risk Phrases:
R22/R25 Harmful if swallowed、Toxic if swallowed.

Section 16 - Additional Information

Other information: The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available ubsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This nformation is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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Product photos: /

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