

# Material Safety Data Sheet (MSDS)

Date: Sep, 12, 2023

## Section 1- Chemical Product and Company Identification

**Product Name:** Neodymium magnets

**Manufacture:** AOMAG

**Address:** Jinshan Industrial Zone, Cangshan, Fuzhou, 350008, China

**Tel:** +86-591-86397993

**Fax:** +86-591-86399173

## Section 2- Hazards Identification

**Fatalness grade:** in accordance with Regulation (EC) No. 1272/2008, the sample is not divided into dangerous article.

**Invasion route:** Skin touch: /

Eyes touch: /

Inhalation: /

Ingestion: Ingest the sample may cause discomfort.

**Health hazard:** No harm under normal use.

**Environment hazards:** /

**Burn & burst danger:** the sample can't burn.

## Section 3- Composition/Information on Ingredient

**Pure**

**Admixture**

Composition:

Chemical Name	In% By Weight	CAS No.	EC No.	Molecular Formula
Aluminum	0.4-0.8	7429-90-5	231-072-3	Al
Iron	55-56.1	7439-89-6	231-096-4	Fe
Neodymium	31-34	7440-00-8	231-109-3	Nd
Dysprosium	0.6-1.2	7429-91-6	231-073-9	Dy
Boron	1.1-1.2	7440-42-8	231-151-2	B
Copper	0.05-0.15	7440-50-8	231-159-6	Cu

# Material Safety Data Sheet (MSDS)

## 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.

**Inhalation:** Remove from exposure and 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

**Danger characteristic:** The sample can't burn.

**Hazardous combustion products:** /

**Fire fighting method & media:** /

## Section 6- Accidental Release Measures

**Emergency treatment:** Evacuate the personnel to a safe place as soon as possible. Insulate the polluted area, restrict on access. It is advised that the staff wear dust proof respirator, work clothes. Small amount of divulgence: clean off, avoid raising dust. Put into bags and transfer to safe places. Massive divulgence: Recycle or transport to waste treatment place for handling.

## Section 7- Handling and Storage

**Handling:** With closed operation. Supply with sufficient partial air exhaust. The operation staff must have received special training and abide by the operating regulations. It is advised that the staff wear self-contained breathing dust proof respirator, chemical safety glasses, work clothes and rubber gloves. Keep away from fire and heating sources. No smoking in the workplace. Use explosion-proof type ventilation system and equipments. Avoid contracting with oxidizer, acid and halogen. Place the sample without child's reach. Take care when lifting and handling in case of damaging the package. Equip with relevant types and quantities of the extinguishment instruments and devices for divulgence handling. Empty the container that may contain harmful residue.

**Storage:** keep the sample in the cool and well-ventilated place. Don't keep the samples with oxidizer, acid and halogen. Store the sample beyond the child's touch in case the child ingests it. Equip with relevant types and quantities of the extinguishment instrument, The storage place should be equipped with devices for divulgence handling and suitable shelter materials.

# Material Safety Data Sheet (MSDS)

## Section 8- Exposure Controls, Personal Protection

**Maximum admissible concentration:** No standard yet

**Monitoring Method:** /

**Engineering Control:** Tightly closed. To supply with sufficient air exhaust.

**Respirator Protection:** No protection in normal situation. But it suggested wear self-contained breathing flitermask (half mask) or breathing apparatus in special situation.

**Eyes Protection:** Wear chemical safety glasses

**Body Protection:** Wear work clothes

**Hands Protection:** Wear protective gloves

**Other Protections:** No smoking, dining and drinking water in the workplace. Keep good habit of hygiene.

## Section 9-Physical and Chemical Properties

**Flash Point:** /

**Appearance:** No distortion

**Color:** No rust

**Boiling Point:** /

**Proportion:** /

**Acid Value:** /

**PH Value:** /

**Permission of solvent inhalation:** /

**Solubility:** insoluble in water

## Section 10- Stability and Reactivity

**Stability:** Stable under normal temperature and pressure

**Distribution of Ban:** Strong oxidizer, acid

**Conditions to Avoid:** /

**Hazardous Polymerization:** /

**Hazardous Decomposition Products:** /

# Material Safety Data Sheet (MSDS)

## Section 11- Toxicological Information

**Acute Toxicity:** /

**Sub-acute and Chronic Toxicity:** /

**Irritation:** /

**Sensitization:** /

**Mutagenicity:** /

**Carcinogenicity:** /

**Others:** /

## Section 12- Ecological Information

**Eco-toxicity:** /

**Biodegradable:** /

**Non-biodegradable:** /

**Bioconcentration or biological accumulation:** /

**Other harmful effects:** /

## Section 13- Disposal Considerations

**Nature of waste:** /

**Waste disposal methods:** Refer to National or Local regulations before handling. It is suggested to recycle.

**Attention abandoned:** /

## Section 14- Transport Information

**Number of dangerous goods:** /

**UN Number:** /

**Packaging Mark:** /

**Packaging Method:** /

**Transport Attentions:** Examine whether the package of the containers are integrate and tight-closed before transport. No divulgence, no collapse, no precipitation or no damage during the course of transportation. Don't put the goods together with oxidizer, acid and chief food chemicals.

The transport vehicle and ship must be cleaned and sterilized otherwise it is not allowed to assemble articles. During transport, the vehicle should prevent exposure, rain and high temperature. For stopovers, the vehicle should be away from fire and heat sources. When

# Material Safety Data Sheet (MSDS)

transported by sea, the assemble place should keep away from bedroom and kitchen, and isolated from the engine room, power and fire source. Under the condition of Road Transportation, the driver should drive in accordance with regulated route, don't stop over in the residential area and congested area. No slipping up in rail road.

## Section 15- Regulatory Information

《Chemical Dangerous Goods Safety Management Regulations implementing rules》

## Section 16- Additional Information

**Reference:** /

**Guidance Departments:** /

**Data audit unit:** /

**Law help:** /

**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 here of. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data here of may suggest modifications of the information, we do not assume any responsibility for the result so fits use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

**Note:**

-Photo is included

**Photograph of Sample:**