



## MATERIAL SAFETY DATA SHEET

### 1. Chemical Product and Company Identification

Product Name: Praseodymium Neodymium Oxide

Manufacturer's Information:

Manufacturer's Name:

Anhui Fitech Material Co.,Ltd

Manufacturer's Address/Code:

National Innovation Industrial Base Huguang Road, Shushan District, Hefei, Anhui, China.

Telephone: +86-551-65566870

Fax No. : +86-551-65566870

Composition/Information on ingredients

Substance or Mixture? Mixture

No.	Chemical Name	Content(%)	CAS No.	Chemical Formula
1	Neodymium Oxide		1313-97-9	Nd <sub>2</sub> O <sub>3</sub>
2	Praseodymium Oxide		12037-29-5	Pr <sub>6</sub> O <sub>11</sub>

### 2. Hazards Summarizing

Emergency Overview:

No data in classification by the GHS.

Invade Way:

Skin or Eye Contact、Inhalation、Ingestion

Potential Health Effects: Harmful if Inhalation or Ingestion .Irritating to eyes and mucous membrane.

Potential:

Environmental Effects:

Not available.

Burn or Blast Risk:

Not available.

### 3. First Aid Measures

Eye Contact:

Remove any contact lenses at once. Lifting the upper and lower eyelids ,flushing them with running water for at least 15 minutes. Seek for Medical Attention.

Skin Contact:

Remove contaminated clothes and shoes, Rinsing skin with plenty of water or soapy water. If irritation persists , consult a physician.



Inhalation:

Remove the victim to fresh air. If breathing is difficult, irregular, or has stopped, open his airway: loosen his collar and belt or do CPR. Refer for medical attention.

Ingestion:

Rinsing mouth thoroughly with water. Do not induce vomiting. Seek medical attention.

Protection to First Aid:

wear proper protective equipment to avoid contacting with skin or eyes.

#### **4. Fire Fighting Measures**

Specific Hazards:

This product is nonflammable.

Extinguishing Media:

Remove the container to the fresh air. If it can't be removed, cooling it with water until the fire falls down.

Fire Fighting Instructions:

Make the worker leave right away, cut off the source of ignition as soon as possible. Firemen should wear proper protective equipment.

#### **5. Accidental Release Measures**

Release Measures:

Keep the air circulate, cut off the source of leakage as soon as possible and avoid it leaking into sewers, and other lowland restricted space. Avoid raising dust.

Protection to Aiders:

Wear proper protective equipment. Avoid contacting with skin or Inhalating.

Enviromental Precautions:

Contaminated water without porper treatment should not be discharged.

Spill/Leaks Response:

Ensure that the air circulate. Place the leaking products in a bag and hold for waste disposal.

#### **6. Handling and Storage**

Handling:

The operator must be specially trained and strictly abide by the rules. Handle material with suitable protection and avoid raising dust, Inhalating or contacting with skin or eye. Practice good personal hygiene after using this material especially before eating, drinking, smoking or using the toilet.

Storage:

Store in a well-ventialated location. Storage areas should be equipped with emergency equipment and suitable leaking host material.



## 7. Exposure Controls / Personal Protection

Exposure Limit Values:

3mg/m<sup>3</sup>~10mg/m<sup>3</sup> (Inhalable fraction)

Engineering Measures:

Avoid raising or Inhalating dust. Ensure that eye wash station and safety shower are proximal to the workstation location.

Personal Protection:

Respiratory Protection:

Contact with the substance should wear dust masks;

high concentrations, should wear contact-filtering respirators; emergency rescue or evacuation, should wear respirators or oxygen air respirator.

Eye Protection:

Wear protective chemical safety glasses.

Body Protection:

wear long-sleeved anti-infiltration uniform.

Hand Protection:

Wear rubber gloves.

Other Information:

Avoid eating, drinking or smoking at workstation. Take a shower after work. Conduct pre-employment and periodic medical examinations.

## 8. Physical and Chemical Properties

Appearance and Physical State:

Grey

PH:

No data.

Boiling Point:

No data.

Melting Point:

No data.

Water Density (water=1):

No data.

Vapor Density (air=1):

No data.

Vapor Pressure:

No data.



Flash Point:

No data.

Flammability:

Nonflammable.

Solubility in Water:

Insoluble.

Specific Gravity:

General Use:

Making magnet material

Other Specific Properties:

No data.

## 9. Stability and Reactivity

Stability:

Stable under normal and anticipated storage and handling conditions.

Conditions to Avoid:

Not available.

Incompatibilities with Other Materials:

This is an oxidizing substance.

Hazardous Decomposition Products:

Not available.

Hazardous Polymerization:

Not available.

## 10. Toxicological Information

Acute Toxicity:

Sensitization:

Not available.

Allergenicity:

Not available.

Mutagenicity:

Not available.

Teratogenicity:

Not available.

Carcinogen:

Not available.



## 11. Ecological Information

Ecotoxicity:

Not available.

Persistence and Degradability:

Not available.

Bioaccumilative Potential:

Not available.

Enviroment Change:

Not available.

Other Adverse Effects:

Not available.

## 12. Disposal

Waste disposal:

Place the leaking products in a bag and hold for waste disposal Avoid raising dust.

Disposal Notice:

Contaminated water without porperly treatment should not be discharged.

## 13. Transport Information

Dangerous Goods Code:

No data in classification.

Packing Methods:

Using polyethylene packaging material sealed,

UN No.:

No data in classification.

Transport Notice:

Confirm the damaged containers, corrosion, leakage and so on before transportation. Avoid overturning ,overloading as loading.

## 14. Regulatory Information

Regulation Information:

Follow all regulations in your country.

## 15. Other Information

The information presented here is based on our current best understanding and data from reputable third party sources. This document is neither a contract nor a guarantee.

The conditions and the way our customer handle, store, use and disposal of these products is not controlled



by MQ.

We will not accept any loss, damage or relative expense caused by your improper disposal, storage, use and discard of these products.

This MSDS can only be used for the products listed in the title. It is not acceptable to use this MSDS for a product which contains this material.

Reference:

- GHS  
GHS(The Globally Harmonized System of Classification & Labelling of Chemicals)
- CAS(Chemical Abstract Service Register) No.  
CSDS(General Rules for Preparation of Chemical Safety Data Sheet)