

## MATERIAL SAFETY DATA SHEET

### 1、 Product and Company Identification

Product Name : magnet SMCO5 D3\*10  
Manufacturer's Name : HangZhou Permanent Magnet Group Co.Ltd  
Address : The South Beach of 2<sup>nd</sup> Qianjiang Bridge Xiaoshan, Hangzhou, China. 311231  
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### 2、 Composition / Information on Ingredients

Substance / Preparation: Preparation

Ingredients and Composition:

Item	Element	Percent%
Magnet	Sm	16-21 %
	Co	62-63.5 %
	Pr	16.5-21 %
	SnFe	0.1-1%
	Other	0.3-0.5%

Chemical Formula: SmCo

Standard No: GB/T17951

### 3、 Hazards Identification:

Physical and Chemical Hazard: None  
Adverse Human Healthy Hazards: None  
Environmental Effects: None

### 4、 First –Aid Measures

Skin contact: N/A for as solid

For as dusts or particles, wash with soap and water.

Obtain medical attention if symptoms persist.

### 5、 Fire-fighting Measure

Extinguishing Media: Water、 Dry sand or Chemical powder, etc

Fire-fighting Measure: SMCO is apyrous, in case of fire, First shut off fire headstream, then make use of fire extinguisher or water to put out the fire.

### 6、 Accidental Release Measures

Method for Removal: Take safety measures for handling

Personal Precaution: Keep the magnetized magnets away from a person having an electric/electronic medical device, such as pacemaker

### 7、 Handing and storage

Handing:

-Do not allow the magnet to come close to fixed a floppy disk and electric watch or a magnetic card, since it can destroy or alter the magnetic data.

-Do not allow the magnet to come close to a person having an electric/electronic medical device, such as

## Hangzhou Permanent Magnet Group CO.,LTD.

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pacemaker

### Storage:

-Store in a dry place free from corrosive atmosphere.

-Keep away from any magnetic object as iron, cobalt, or nickel magnetizer etc.

8、Exposure Controls/Personal Protection N/A

### 9、Physical and Chemical Properties

Physical State : Solid

Color : Silvery white

Melting Point : Approx. 1400°C

Explosion Properties : N/A

Density : 8.4g/cm<sup>3</sup>

Solubility in water : Insoluble

Solubility in acid : Soluble

Volatility : None

### 10、Stability and Reactivity

Stable in normal atmosphere.

React with acids, oxidizing agents.

Condition to Avoid: Do not use or store in the conditions as follows:

Acidic, alkaline or electrically conductive liquid, corrosive gases

Materials to avoid: Acids, oxidizing agents

Hazardous decomposition products: None

### 11、Toxicological information:

Acute toxicity : N/A

Local effects : N/A

Sensitization : Contact for a long duration may cause skin rash depend on personal sensitivity

Chronic toxicity: N/A

Mutagenicity : N/A

Carcinogen city: N/A

Reproduction toxicity: N/A

### 12、Ecological information

Mobility: N/A

Bco-toxity: N/A

Persistence /Degradability: N/A

Other data (ex.Ecological limit): N/A

Bioaccumulation: N/A

### 13、Disposal consideration

Disposal Method : -Recycle

Disposal regulation : Disposal must be in accordance with applicable federal, state/provincial and local law and regulations if any.

### 14、Transport information

-Pack up prudently so as to prevent products from breakage.

Regulations for transport: When transport magnetized SmCo by air, follow the dangerous goods regulation of IATA (international air transport association)

### 15、Regulatory information

Follow all regulations in your country.

### 16、Other information

Additional health hazard data: N/A

Abbreviations : N/A=Not Applicable