

May be used to comply  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

**U.S. Department of Labor**  
Occupational Safety and Health  
Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

**IDENTITY (As Used on Label and List)**

Samarium cobalt magnet

**Manufacturer's Name:**

**Emergency Telephone Number:**

**Address:**

**Telephone Number for  
Information:**

**Date Prepared:**

<b>Hazardous Components</b> (Specific Chemical Identity; Common Name(s))		<b>ACGIH TLV</b>	<b>CAS No.</b>	<b>% (optional)</b>
Sm	N/A	7440-19-9		20-30%
Fe	N/A	7439-89-6		10-20%
Cu	N/A	7440-50-8		2-12%
Zr	N/A	7440-67-7		2-4
Co	N/A	7440-48-4		Bal.

<b>Boiling Point</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	
<b>Vapor Pressure (mm Hg.)</b>		<b>Melting Point</b>	N/A
<b>Vapor Density (AIR = 1)</b>		<b>Evaporation Rate (Butyl Acetate = 1)</b>	
<b>Solubility in Water</b>			

Insoluble

**Appearance and Odor**  
Powdery solid, silver color

<b>Flash Point (Method Used)</b>	<b>Flammable Limits</b>	<b>LEL</b>	<b>UEL</b>
N/A	N/A	N/A	N/A

**Extinguishing Media**  
Dry sand or special powder extinguisher.

**Special Fire Fighting Procedures**  
Use a special powder extinguisher, or pour dry sand on the fire to cut off its oxygen supply. Water should be avoided at all costs.

**Unusual Fire and Explosion Hazards**  
Dust may explode.

<b>Stability</b>	<b>Unstable</b>	<b>Conditions to Avoid</b>
	<b>Stable</b>	
	X	

**Incompatibility (Materials to Avoid)**  
**Hazardous Decomposition or Byproducts**

**Hazardous Polymerization**      **May Occur**      **Conditions to Avoid**  
**Will Not Occur**

**Route(s) of Entry:** **Inhalation?**    **Skin?**      **Ingestion?**  
                                 YES                YES                Yes

**Health Hazards (*Acute and Chronic*)**

Dermal immunoresponse may occur as a result of long-term or repeated exposure.

**Carcinogenicity:**    **NTP?**                **IARC**                **OSHA**  
                                 NO                        **Monographs?**        **Regulated?**  
                                                                NO                        NO

**Signs and Symptoms of Exposure**  
Skin, eye irritation.

**Medical Conditions**  
**Generally Aggravated by Exposure**

**Emergency and First Aid Procedures**

**Steps to Be Taken in Case Material is Released or Spilled**

User protective gear and equipment that will not discharge sparks.

**Waste Disposal Method**

**Precautions to Be taken in Handling and Storing**

Take great care not to touch the mixture or inhale dust from it. Keep flame

out of it's vicinity.

**Other Precautions**

Seal **hermetically** in a metal can away from heat sources and flames. When in finely powdered form, meets the criteria for Class2 flammable solid. store in accordance with the relevant rules and regulations.

**Respiratory Protection** (*Specify Type*)

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Special</b>
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	<b>Mechanical</b> ( <i>General</i> )	<b>Other</b>
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**Protective Gloves**

Yes

**Eye Protection**

Yes

**Other Protective Clothing or Equipment**

**Work/Hygienic Practices**