



# Sintered Ferrite



## Grade Characteristics

Grade	Electronic Guild of China	Type of Material	MMPA Equivalent	MMPA Brief	Alternates	IEC Equivalent	Isotropic/Anisotropic
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## Magnetic Characteristics

Grade	Br	Br	Br	Hcb	Hcb	Hcb	Hcj	Hcj	Bhmax	Bhmax
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## Thermal Characteristics

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	erating Temp	Temp	Temp Coeff	Temp Coeff	erating Temp	ble Temp Coeff	Expansi on	Heat	Expansi on	Expansi on	Reducti on by Heat
Grade	Max Op	Curie	Rev	Rev	Max Op	Reversi	Thermal	Specific	Thermal	Thermal	Weight



## MSDS

### Section 1 - Product Name

**Product Name:** Ceramic Magnet

### Section 2 - Hazardous Ingredients

**Chemical Name:** Ba Fe or Sr Fe

**Material/Component(s):**

Material or Component	Weight %	CAS No.	ACGUH TLV (mg/m <sup>3</sup> )
Barium Ferrite (BrFe 203)	NA	NA	5 mg/m <sup>3</sup>
Strontium Ferrite (SrFe 203)	NA	NA	5 mg/m <sup>3</sup>
Soluble Barium	NA	NA	0.5 mg/m <sup>3</sup>

### Section 3 - Physical Characteristics

**Vapor Pressure:** NA

**Vapor Density:** NA

**Specific Gravity:** 5.1

**Melting Point:** 2400 F

**Evaporation Rate:** NA

**Odor:** None detectable

**Solubility in Water:** Slight

### Section 4 - Fire and Explosion Hazard Data

**Flash Point:** NA

**FLAMMABLE LIMITS:** NA

**LEL:** NA

**UEL:** NA

**Extinguishing Media:** NA

**Special Fire Fighting Procedures:** None. Material is not a fire hazard.

**Unusual Fire and Explosion Hazards(s):** Material will not ignite or explode



## Section 5 - Reactivity Data

**Stability:** Stable

**Conditions to Avoid:** No known incompatibilities

**Incompatibility (Materials to Avoid):** NA

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition or Byproducts :** Will not occur. None known.

## Section 6 - Health Hazard Data

**Health Hazards (Acute & Chronic):** No known acute or chronic health hazards. Not listed as carcinogen or potential carcinogen. Product may contain a slight amount of soluble barium over time.

### Emergency and First Aid Procedures:

Procedure For	Procedure
Ingestion	Epsom or glauber salts will convert any soluble Barium to harmless sulfate

## Section 7 - Precautions for Safe Handling and Use

**Spill Procedure:** Clean by brush or vacuum. No special precautions.

**Waste Disposal Method:** Observe all federal, state and local regulations when disposing this material.

**Precautions to be taken in Handling and Storing:** Material should be kept in dry environment. Material is brittle and may chip if not handled with care. Surface dust may form over time.

## Section 8 - Control Measures

**Respiratory Protection:** NA

**Eye Protection:** Safety glasses

**Skin Protection:** Protective gloves desirable for long use.

**Ventilation:** Local exhaust

**Work / Hygienic Practices:** Clean after spilling as chips may develop. Clean hands after use.