

**PLEASE NOTE:** This Material Safety Data Sheet (MSDS) is provided as a courtesy in response to a customer request. This product is not regulated under, and a MSDS is not required for this product by the OSHA Hazard Communication Standard (29 CFR 1910.1200) because, when used as recommended or under ordinary conditions, it should not present a health and safety hazard. However, use or processing of the product not in accordance with the product's recommendations or not under ordinary conditions may affect the performance of the product and may present potential health and safety hazards.

**SECTION 1: PRODUCT NAME AND COMPANY INFORMATION**

**Product Name:** Gerbermag II  
**Product Number:** See Attachment 1 for part numbers and colors covered by this MSDS  
**Issue Date:** 2/9/2009 **Supersedes Date:** 4/6/2004  
**Manufactured By:** **Distributed By:**  
 Gerber Scientific International, Inc.  
 24 Industrial Park Road  
 Tolland, CT 06084

Telephone: (860) 871-8082

**24-Hour Emergency Contact Number (North America):** 800-255-3924

**24-Hour Emergency Contact Number (International):** 813-248-0585

**SECTION 2: COMPOSITION/INFORMATION on COMPONENTS**

Component	Percent By Weight		CAS #	ACGIH**	OSHA**	OTHERS
	Minimum	Maximum		TLV-TWA	PEL-TWA	
Ferrite Powder	88	92				
Polymer Binder	7	11				
Carbon Tetrachloride	<0.75 ppm		56-23-5	5 ppm (TWA) 10 ppm (STEL)	10 ppm (TWA) 200 ppm (MAX-5min)	2 ppm NIOSH
Chloroform	<0.75 ppm		67-66-3	10 ppm	50 ppm	2 ppm NIOSH
Barium*	<0.5 mg/m <sup>3</sup> (<0.0001)		7440-39-3	0.5 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup> NIOSH

\* Note: Not all magnetic products <1.0 MGO contain this material.

\*\* **C**-Ceiling **D**-Dust **F**-Fumes **M**-Max **N**-NIOSH **R**-Respirable Dust **ST**-STEL-Short Term Exposure Limit **T**-Total Dust **t**-Typical **TS**-Trade Secret **V**-Vapor

**SECTION 3: HAZARDS IDENTIFICATION****Emergency Overview**

**Appearance:** Dark brown solid

**Odor:** Odorless

**Flammability:** Ignited by extreme heat or open flame

**Environmental:** Environmentally non-hazardous

**Potential Health Effects**

**Eye Contact:** Small pieces of material cut or chipped from stock may scratch eye surface and become a source of mechanical irritation.

<b>Skin Contact:</b>	Non-hazardous in normal use. May cause skin irritation in some sensitive people.
<b>Inhalation:</b>	Non-hazardous in normal use. Not a probably route of entry.
<b>Ingestion:</b>	Non-hazardous in normal use. Not a probably route of entry.
<b>Carcinogenicity:</b>	The following components are listed by IARC, NTP, OSHA, and ACGIH as (suspected) carcinogens:
<b>Component</b>	<b>IARC   NTP   OSHA   ACGIH</b>
Carbon Tetrachloride	(x)   (x)       x
Chloroform	(x)   (x)

#### SECTION 4: FIRST AID MEASURES

<b>Eye Contact:</b>	In case of contact, immediately flush eyes with copious amounts of water until inert material is dislodged and removed. Seek medical attention.
<b>Skin Contact:</b>	If irritation occurs, remove material from skin and wash affected area with soap and water. If irritation persists, seek medical attention.
<b>Inhalation:</b>	Non-hazardous. Not a probable route of entry.
<b>Ingestion:</b>	Non-hazardous. In case of accidental ingestion, seek medical attention.

#### SECTION 5: FIRE FIGHTING MEASURES

<b>Flashpoint:</b>	>480 °F
<b>Fire and Explosion Hazards:</b>	LEL: N/A UEL: N/A Solid material may burn at or above flashpoint temperature. Material may emit acrid toxic fumes and/or smoke.
<b>Fire Fighting:</b>	Use self-contained breathing apparatus and protective clothing to avoid exposure to toxic fumes and intense heat.
<b>Extinguishing Media:</b>	Water, All-Purpose (ABC) Dry Chemical, CO2, Foam
<b>NFPA Rating:</b>	<b>Health      Fire      Reactivity      Specific</b> 1                      1                      0
Hazard Rating: 0 – Insignificant, 1 – Slight, 2 – Moderate, 3 – High, 4 – Extreme	

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Spill Clean Up:</b>	Recover spilled material by physical or mechanical means. Reuse, recycle or dispose of in accordance to local disposal regulations.
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#### SECTION 7: HANDLING and STORAGE

<b>Handling:</b>	Use proper handling equipment and procedures that conform to OSHA regulations.
<b>Storage:</b>	Material should be stored at ambient temperature, pressure, and humidity.
<b>Electrostatic Accumulation Hazard:</b>	Use proper bonding and/or grounding procedures to discharge any accumulation of static electricity.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Controls:</b>	No additional ventilation beyond standard plant settings are required for processing the magnetic materials.
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**Personal Protection:** Safety glasses with side shields are recommended for processes requiring the cutting of the magnetic materials. Cloth, rubber, or plastic gloves are recommended during handling to prevent possible skin irritation.

### **Workplace Exposure Guidelines**

**OSHA 29CFR1910.1000:** Observe the OSHA Permissible Exposure Limit of 5 mg/m<sup>3</sup> for dust and fumes.

## **SECTION 9: PHYSICAL and CHEMICAL PROPERTIES**

**Appearance:** Dark Brown Solid  
**Odor:** Odorless  
**Density:** 3.4 – 3.8 g/mL  
**Solubility in Water:** Insoluble in water  
**% Volatiles:** N/A  
**Melting Point:** N/E  
**Boiling Point:** N/A

## **SECTION 10: STABILITY and REACTIVITY**

**Stability:** Stable at normal storing and processing conditions  
**Conditions to Avoid:** Extreme high temperatures  
**Decomposition:** Decomposition products include CO, CO<sub>2</sub>, SO<sub>2</sub>, HCl, hydrocarbon oxidation products including organic acids, aldehydes, and alcohols.  
**Polymerization:** Polymerization will not occur

## **SECTION 11: TOXICOLOGY INFORMATION**

**Animal:** Oral LD50: N/E  
Dermal LD50: N/E  
Inhalation LC50: N/E

## **SECTION 12: ECOLOGICAL INFORMATION**

No specific ecological data is available for this product.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Landfill or incinerate in accordance to federal (national), state (provincial), and local regulations. Incineration requires scrubbing of combustion products to remove HCl and SO<sub>2</sub>.

## **SECTION 14: TRANSPORTATION INFORMATION**

**Shipping Information:** This product is not regulated by the Department of Transportation.

## **SECTION 15: REGULATORY INFORMATION**

**US Federal Regulations:** The components of this product are included in the US EPA Toxic Substance Control Act (TSCA) Chemical Substances Inventory and the Canadian Domestic Substance List.

**CERCLA:** In case of an accidental spill, this product is not required to be reported under the Comprehensive Environmental Response, Compensation, and Liability Act.

**SARA Title III:** Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:

Non-Hazardous

Section 313 reportable ingredients:

<b>Material</b>	<b>Percent by Weight</b>
Carbon Tetrachloride	<0.75ppm
Chloroform	<0.05ppm
Barium*	<0.5 mg/m <sup>3</sup> (<0.0001)

\*Note: Not all magnetic products <1.0 MGO contain this material.

**California Prop 65:** WARNING! This product contains a chemical known in the State of California to cause cancer.

## **SECTION 16: OTHER INFORMATION**

### **ABBREVIATIONS:**

ACGIH	–	American Conference of Governmental Industrial Hygienists
OSHA	–	Occupational Safety and Health Administration
TLV	–	Threshold Limit Value
PEL	–	Permissible Exposure Limit
TWA	–	Time Weighted Average
STEL	–	Short Term Exposure Limit
TSCA	–	Toxic Substance Control Act
RCRA	–	Resource Conservation and Recovery Act

The information contained herein relates only to the specific material identified. Gerber Scientific, Inc. believes that such information is accurate and reliable as of the date of this Material Safety Data Sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. Gerber Scientific, Inc., urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

*Please see the next page for the list of products covered by this MSDS.*

## ATTACHMENT 1: COVERED PRODUCTS AND PART NUMBERS

COLOR	COLOR CODE	PART NUMBER(S)
WHITE		P81506A