

# Quality Magnetite LLC

2620 Big Sandy Road  
Kenova, WV 25530

Supplier: Reade Advanced Materials  
PO Drawer 15039  
Riverside, RI 02915  
Tel: 401-433-7000

## Material Safety Data Sheet

## U.S. Department of Labor

IDENTITY (as Used on Label and List)  
**MAGNETITE // COAL FLOAT**

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

### Section I

Manufacturer's name <b>QUALITY MAGNETITE LLC</b>	Emergency Telephone Number <b>(304) 453-2222</b>
Address (Number, Street, City, State and ZIP Code) <b>2620 BIG SANDY ROAD KENOVA, WV 25530</b>	Telephone Number for Information <b>(304) 453-2222</b>
	Date Prepared <b>1/21/2014</b>

### Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>TRADE NAME: MAGNETITE // COAL FLOAT</b>				
<b>SYNONYMS: IRON OXIDE; BLACK IRON; MAGNETITE BLACK; IRON BLACK; BLACK IRON OXIDE</b>				
<b>CHEMICAL FAMILY: MINERAL</b>				

<b>COMPONENT: FERRIC OXIDE RED</b>	<b>COMPONENT: SILICON DIOXIDE</b>
<b>CAS NUMBER: 1309-37-1</b>	<b>CAS NUMBER: 7631-86-9</b>
<b>PERCENTAGE: &lt;97</b>	<b>PERCENTAGE: &lt;3.5</b>

<b>COMPONENT: FERRIC-FERROUS OXIDE</b>	<b>COMPONENT: QUARTZ</b>
<b>CAS NUMBER: 1317-61-9</b>	<b>CAS NUMBER: 14808-60-7</b>
<b>PERCENTAGE: &lt;97</b>	<b>PERCENTAGE: &lt;3.5</b>

### Section III—Physical/Chemical Characteristics

Boiling Point <b>Not applicable</b>	Specific Gravity (H <sub>2</sub> O = 1) <b>5.1</b>
Vapor Pressure (mm Hg) <b>Not applicable</b>	Melting Point <b>2851 F (1566 C)</b>
Vapor Density (AIR = 1) <b>Not applicable</b>	Evaporation Rate (Butyl Acetate = 1) <b>Not applicable</b>
Solubility in Water <b>Insoluble</b>	
Appearance and Odor <b>Solid, Grey to Black, Powder, Odorless</b>	

### Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used) <b>Not applicable</b>	Flammable Limits <b>Not applicable</b>	LEL <b>Not applicable</b>	UEL <b>Not applicable</b>
Extinguishing Media <b>Use extinguishing agents appropriate for surrounding fire.</b>			
Special Fire Fighting Procedures <b>Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.</b>			
Unusual Fire and Explosion Hazards <b>Negligible fire hazard.</b>			

**Section V—Reactivity Data**

Stability <b>Stable at normal temperatures and pressures</b>	Unstable <b>Not</b>		Conditions to Avoid <b>Avoid generating dust.</b>
	Stable <b>at normal temperatures and pressures</b>		

Incompatibility (*Materials to Avoid*) **Oxidizing materials**

Hazardous Decomposition or Byproducts **Thermal decomposition products: miscellaneous decomposition products.**

Hazardous Polymerization <b>Will not polymerize</b>	May Occur <b>Not applicable</b>		Conditions to Avoid <b>Not applicable</b>
	Will Not Occur <b>Not applicable</b>		

**Section VI—Health Hazard Data**

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

Health Hazards (*Acute and Chronic*) **Respiratory tract irritation, skin irritation, eye irritation**

Carcinogenicity **Not classified as Human Carcinogen**      NTP? **No**      IARC Monographs? **Human Inadequate Evidence, Animal suggest none.**      OSHA Regulated? **No**

Signs and Symptoms of Exposure **Difficulty of breathing, chills, fever, nausea, vomiting, diarrhea, chest pain, headache, hyperactivity**

Medical Conditions  
Generally Aggravated by Exposure **Respiratory**

Emergency and First Aid Procedures  
**Inhalation: If adverse effects occur, remove to uncontaminated area. Give CPR if not breathing, get immediate medical attention.**  
**Skin Contact: Wash with soap or mild detergent and large amounts of water.**  
**Eye Contact: Flush eyes with plenty of water. Get medical attention if irritation develops or persists.**

**Section VII—Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled **Keep out of water supplies and sewer, clean up residue with high-efficiency particulate vacuum.**

**Shipping Class: 55      NFC # 044780-01 Bags      044780-02 Box or Drum**

Waste Disposal Method **This product, as supplied, when discarded or disposed of, is not hazardous waste according to 40 CFR 261. Dispose in accordance with all applicable regulations**

Precautions to Be Taken in Handling and Storing **Store and handle in accordance with all current regulation and standards. Store outside or in a detached building. Avoid creating dust, contact with eyes, skin and clothing.**

Other Precautions **None**

**Section VII—Control Measures**

Respiratory Protection (*Specify Type*) **A NIOSH approved air-purifying respirator with approved cartridge or canister may be appropriate under extreme circumstances where airborne concentrations are expected to exceed exposure limits.**

Ventilation	Local Exhaust <b>Preferred means for controlling exposure.</b>	Special <b>Not applicable.</b>
	Mechanical ( <i>General</i> ) <b>Preferred means for controlling exposure.</b>	Other <b>Not applicable.</b>
Protective Gloves <b>Wear appropriate chemical resistant gloves.</b>	Eye Protection <b>Wear appropriate splash resistant safety goggles. Provide an emergency eye wash fountain and / or quick rinse shower in immediate work area.</b>	
Other Protective Clothing or Equipment	<b>Wear appropriate chemical resistant clothing.</b>	
Work/Hygienic Practices	<b>Avoid causing dust – keep work area well ventilated.</b>	