



# Material Safety Data Sheet

NFPA	HMIS / WHMIS	PPE	Transport Symbol
			Not regulated

Revision Date 27-Apr-2010

Revision Number 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Cast Iron Powder  
**Product Code(s)** EW# 10095A  
**Product Type** Manufactured For:  
**Manufactured by:** The Easthill Group DbA/The Eastwood Company  
 263 Shoemaker Road  
 Pottstown, PA 19464  
 USA & Canada: 800-345-1178  
 Outside USA: 610-323-2200  
**Emergency Contact Number**  
**Telephone for Information** Emergency contact: Chem-Trec: 800-424-9300

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

May cause skin and eye irritation

**Appearance** Powder      **Physical State** Solid/Powder      **Odor** Odorless

**OSHA Regulatory Status** This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Potential Health Effects

#### Acute Toxicity

Eyes

No known effect based on information supplied

Skin

No known effect based on information supplied

Inhalation

No known effect based on information supplied

Ingestion

No known effect based on information supplied

#### Chronic Effects

No known effect

#### Aggravated Medical Conditions

None known

#### Environmental Hazard

See Section 12 for additional Ecological Information

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**3. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous Components**

Components	CAS-No	Weight %
Barium sulfate	7727-43-7	10-30%
Trade Secret	@CAS	1-10%
Titanium Dioxide	13463-67-7	1-10%
Aluminum	7429-90-5	1-10%
Iron oxide	1309-37-1	Less than 1.0%
Carbon black	1333-86-4	Less than 1.0%

**4. FIRST AID MEASURES**

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
Skin Contact	Wash skin with soap and water
Inhalation	Move to fresh air
Ingestion	Never give anything by mouth to an unconscious person
Notes to Physician	Treat symptomatically

**5. FIRE-FIGHTING MEASURES**

Flammable Properties	Powdered material may form explosive dust-air mixtures
Suitable Extinguishing Media	Water spray, dry chemical, carbon dioxide (CO <sub>2</sub> ), or foam
Hazardous Combustion Products	Carbon oxides

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

<b>NFPA</b>	<b>Health Hazard 0</b>	<b>Flammability 1</b>	<b>Stability 0</b>	<b>Physical and Chemical Hazards N/A</b>
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**6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions	Wear protective gloves/clothing and eye/face protection
Methods for Containment	Prevent further leakage or spillage if safe to do so
Methods for Cleaning Up	Pick up and transfer to properly labeled containers

**7. HANDLING AND STORAGE**

Handling	Handle in accordance with good industrial hygiene and safety practice
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**Storage**

Store in a dry, air conditioned place below 80F

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines**

This product, as supplied, contains the following materials with occupational exposure limits established by the region specific regulatory bodies

Components	ACGIH TLV	OSHA PEL	NIOSH IDLH
Barium sulfate	TWA: 10 mg/m <sup>3</sup>	(vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>
Titanium Dioxide	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> (vacated) TWA: 10 mg/m <sup>3</sup>	IDLH: 5000 mg/m <sup>3</sup>
Aluminum	TWA: 1 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 15 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>
Iron oxide	TWA: 5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> (vacated) TWA: 10 mg/m <sup>3</sup>	IDLH: 2500 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
Carbon black	TWA: 3.5 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup> (vacated) TWA: 3.5 mg/m <sup>3</sup>	IDLH: 1750 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> TWA: 3.5 mg/m <sup>3</sup>

**Engineering Measures**Showers  
Eyewash stations  
Ventilation systems**Personal Protective Equipment****Eye/Face Protection**

Eye protection

**Skin and Body Protection**

Wear protective gloves/clothing

**Respiratory Protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Powder	<b>Odor</b>	Odorless
<b>Physical State</b>	Solid/Powder	<b>pH</b>	Approximately neutral
<b>Flash Point</b>	Not applicable	<b>Autoignition Temperature</b>	Not applicable
<b>Boiling Point/Range</b>	Not applicable	<b>Melting Point/Range</b>	Melting Point/Range 50-70°C
<b>Freezing point</b>	Not applicable		
<b>Flammability Limits in Air</b>	No information available	<b>Explosion Limits</b>	30-70 g/m <sup>3</sup>
<b>Specific Gravity</b>	1.2-1.8	<b>VOC Content</b>	None
<b>HAPS data</b>	Not applicable		

**10. STABILITY AND REACTIVITY****Stability**

Stable under recommended storage conditions

**Incompatible Products**

None known based on information supplied

**Conditions to Avoid**

None known based on information supplied

**Hazardous Decomposition Products**

May emit toxic fumes under fire conditions - carbon monoxide, carbon dioxide, nitrogen oxides, and hydrogen chloride

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**Hazardous Reactions**

Hazardous polymerization does not occur

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity****Product Information**

Substances which cause concern for man owing to possible mutagenic effects but for which the available information is not adequate for making a satisfactory assessment.

**Irritation**

Repeated or prolonged exposure may cause irritation of eyes and skin

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Trade Secret	1100 mg/kg ( Rat )		
Titanium Dioxide	10000 mg/kg ( Rat )		
Iron oxide	10000 mg/kg ( Rat )		
Carbon black	15400 mg/kg ( Rat )	3 g/kg ( Rabbit )	
Aluminum hydroxide	5000 mg/kg ( Rat )		

**Chronic Toxicity****Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen

Components	ACGIH	IARC	NTP	OSHA
Trade Secret		Group 2B	Reasonably Anticipated	X
Titanium Dioxide		Group 2B		X
Carbon black		Group 2B		X

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The environmental impact of this product has not been fully investigated

Components	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Carbon black				EC50 > 5600 mg/L 24 h

**13. DISPOSAL CONSIDERATIONS****Waste Disposal Method**

Dispose of contents/container in accordance with local regulation

**14. TRANSPORT INFORMATION****DOT**

Not regulated

**TDG**

Not regulated

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**14. TRANSPORT INFORMATION**MEX Not regulatedIATA Not regulatedIMDG/IMO Not regulated**15. REGULATORY INFORMATION****International Inventories**

TSCA	Complies
DSL	Complies
EINECS/ELINCS	Does not Comply
ENCS	Does not Comply
IECSC	Complies
KECL	Does not Comply
PICCS	Does not Comply
AICS	Complies

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains the following chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Components	CAS-No	Weight %	SARA 313 - Threshold Values %
Trade Secret		1-10%	0.1
Aluminum	7429-90-5	1-10%	1.0

**SARA 311/312 Hazard Categories**

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

**CERCLA**

This material, as supplied, contains the following substance(s) regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

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**U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:

Components	CAS-No	California Prop. 65
Trade Secret		Carcinogen
Carbon black	1333-86-4	Carcinogen

**U.S. State Right-to-Know Regulations**

Components	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Barium sulfate	X	X	X		X
Trade Secret	X	X	X	X	
Titanium Dioxide	X	X	X		X
Iron oxide	X	X	X		X
Carbon black	X	X	X	X	X

**International Regulations**

Components	Carcinogen Status	Exposure Limits
Barium sulfate		Mexico: TWA= 0.5 mg/m <sup>3</sup>
Titanium Dioxide		Mexico: TWA= 10 mg/m <sup>3</sup> Mexico: STEL= 20 mg/m <sup>3</sup>
Iron oxide		Mexico: TWA= 5 mg/m <sup>3</sup> Mexico: STEL= 10 mg/m <sup>3</sup>
Carbon black		Mexico: TWA= 3.5 mg/m <sup>3</sup> Mexico: STEL= 7 mg/m <sup>3</sup>

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

Not determined

**16. OTHER INFORMATION**

Prepared By

Verified by Quality Control Department

Revision Date

27-Apr-2010

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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