


Material Safety Data Sheet  
 May be used to comply with  
 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)  
**REFRACTORY PLUG**

*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>Orgo-Thermit, Inc.</b>	Emergency Telephone Number: <b>800-424-9300</b>
Address (Number, Street, City, State and ZIP Code) <b>3500 Colonial Drive North Manchester, NJ 08759</b>	Telephone Number for Information: <b>732-657-5781</b>
	Date Prepared: <b>Revised 2/2/2010</b>
	Signature of Preparer (optional)

**Section II – Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>Non-hazardous solid consumable used in field welding as molten steel diverter. Manufactured to a solid baked product from</b>				

**Alumina, Iron Oxide and Sodium Silicate/CO<sub>2</sub> binders.**

90669-62-8	Alumina Oxide
14808-60-7	Silica Sand
84992-49-4	Sodium Silicate
1309-37-1	Red Iron Oxide

**Section III – Physical/Chemical Characteristics**

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

Solubility in Water - **N/A**

Appearance and Odor – **Red Brick – No Odor**

**Section IV – Fire and Explosion Data**

Flash Point (Method Used) – <b>N/A</b>	Flammable Limits - <b>N/A</b>	LEL <b>N/A</b>	UEL <b>N/A</b>
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Extinguishing Media – **N/A**

Special Fire Fighting Procedures – **N/A**

Unusual Fire and Explosion Hazards – **N/A**

**Section V – Reactivity Data**

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

Incompatibility (*Materials to Avoid*):

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	<b>X</b>	

**Section VI – Health Hazard Data**

Route(s) of Entry:                      Inhalation?    Skin?    Ingestion?

Health Hazards (*Acute and Chronic*):**No known hazards.**

Carcinogenicity:                      NTP?    IARC Monographs?    OSHA Regulated?

Signs and Symptoms of Exposure:

Medical Conditions  
Generally Aggravated by Exposure:

Emergency and First Aid Procedures:

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

Steps to Be Taken in Case Material is Released or Spilled: N/A

Waste Disposal Method: **Normal waste or landfill**Precautions to be taken in Handling and Storing: **Store dry and well ventilated to preserve.**Other Precautions: **Preheat before use. Observe user instructions.****Section VIII – Control Measures**Respiratory Protection (*Specify Type*): N/A

Ventilation	Local Exhaust:	Special
	Mechanical ( <i>General</i> )	Other:

Protective Gloves: **Best handled with gloves**    Eye Protection: N/A

Other Protective Clothing or Equipment: N/A

Work/Hygienic Practices: N/A

