


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: Orgo-Thermit, Inc.	Emergency Telephone Number: 800-424-9300
Address (Number, Street, City, State and ZIP Code) 3500 Colonial Drive North Manchester, NJ 08759	Telephone Number for Information: 732-657-5781
	Date Prepared: Revised 1-11-11
	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)
Non-hazardous solid consumable used in field welding as molten steel diverter. Manufactured to a solid baked product from				

Alumina, Iron Oxide and Sodium Silicate/CO₂ 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	N/A	Specific Gravity (H ₂ O = 1)	N/A
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water - **N/A**

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

Section IV – Fire and Explosion Data

Flash Point (Method Used) – N/A	Flammable Limits - N/A	LEL N/A	UEL N/A
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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	X	

Incompatibility (*Materials to Avoid*):

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

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

