


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)

IGNITER

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)

Telephone Number for Information: **732-657-5781**

3500 Colonial Drive North

Date Prepared: **Revised 1-11-11**

Manchester, NJ 08759

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)
Mixture of Aluminum, Barium Nitrate, Iron Oxide and binder (Dextrin).				

This solid mixture becomes a fire hazard if exposed to temperatures of 300°C and above and is to be used for starting thermite reactions.

UN number and Class **UN 0454, Class 1.4 S (Worldwide except Canada)**

UN 0325, Class 1.4 G (Canada Class 7, Div. 2, Sub Div. 4)

10022-31-8 Barium Nitrate

7429-90-5 Aluminum

1309-37-1 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 – **Gray Brown color, 150 mm long including copper wire and 80 mm long – 5 mm thick ignition material. No odor**

Section IV – Fire and Explosion Data

Flash Point (Method Used) – 3632F	Flammable Limits - N/A	LEL	UEL
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Extinguishing Media

Dry Silica Sand. Do not use water.

Special Fire Fighting Procedures

Cover with dry Silica Sand and protect surrounding equipment from heat.

Unusual Fire and Explosion Hazards

Burns at high temperatures.

Classification C explosive Ex-8903001

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid – Avoid proximity of fire or flame except during use.
	Stable	X	When stored properly away from moisture.

Incompatibility (*Materials to Avoid*): **Avoid water to extinguish.**

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? **N/A** Skin? **N/A** Ingestion? **N/A**

Health Hazards (*Acute and Chronic*): **None known.**

Carcinogenicity: **N/A** NTP? **N/A** IARC Monographs? **N/A** OSHA Regulated? **N/A**

Signs and Symptoms of Exposure: **N/A**

Medical Conditions
Generally Aggravated by Exposure: **N/A**

Emergency and First Aid Procedures: **N/A**

Section VII – Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: **Collect for disposal.**

Waste Disposal Method: **Place in pile of clean dry sand and ignite.**

Precautions to be taken in Handling and Storing: **See user Instructions: In compliance with Title 49 Code of Federal Regulations (49 CFR)**

Dry storage preferably in temperature range 8-30°C 75% relative humidity.

Other Precautions: **Maximum 50 each packed In carton container and maximum 100 container in cardboard box (4G) or wooden box (4CL) and maximum 2 cardboard boxes in wooden box.**

Section VIII – Control Measures

Respiratory Protection (*Specify Type*): **N/A**

Ventilation	Local Exhaust: In confined space only	Special
	Mechanical (<i>General</i>)	Other: Used normally in field weld operations.

Protective Gloves: **Yes, when igniting and applying.** Eye Protection: **Dark safety glasses.**

Other Protective Clothing or Equipment: **Fire resistant overalls when applying/igniting.**