

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 *Electric Igniter*
DI-202,212,224,236,248,272,312,324,336,348,372.

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 Dynalite Electric Ignites Inc.	Emergency Telephone Number 800-255-3924
Address (Number, Street, City, State and ZIP Code) One Nickel Way	Telephone Number for Information 406-322-8674
Columbus, MT 59019	Date Prepared 11/22/06
	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)
Boron CAS # 7440-42-8	None	Nuisance	10mg/m ³	None
Potassium Nitrate CAS# 7757-79-1	None	None	None	None
Red Iron Oxide CAS# 1332-37-2	None	Nuisance	10mg/m ³	None
Zirconium CAS# 7440-67-7	5 mg/m ³	5 mg/m ³	None	None
Nitrocellulose (Lacquer)	None	None	None	None

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 **Slight**

Appearance and Odor **Brown composition bound by nitrocellulose to a fiberglass wafer with lead wires soldered to opposite end of the wafer. No odor produced.**

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits	LEL N/A	UEL N/A
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Extinguishing Media **Do not suffocate, material is self oxidized and should be allowed to burn and control spread of fire.**

Special Fire Fighting Procedures **Product will burn rapidly, allow to burn.**

Unusual Fire and Explosion Hazards **If in bulk particles may fly if not contained.**

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	XXXXXX	

Incompatibility (*Materials to Avoid*)

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	XXXXXX	

Section VI—Health Hazard Data

Route(s) of Entry	Inhalation? None for Article	Skin? None	Ingestion? None
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Health Hazards (*Acute and Chronic*) Upon function can cause burns and produces smoke which can cause irritation if inhaled in large quantities.

Carcinogenicity	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
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Signs and Symptoms of Exposure Burns, respiratory and eye irritation from combustion products

Medical Conditions

Generally Aggravated by Exposure Asthma or preexisting respiratory conditions upon exposed to after function.

Emergency and First Aid Procedures Flush with water and move to fresh air

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled Spilled or damaged items should be swept up and placed in a container for proper disposal. No open flame should be in the presence of open items.

Waste Disposal Method Destruct by means of electrical ignition and then dispose of remains in a manner consistent with accepted practices, or if by incineration in recommend lots not to exceeding 50 pieces.

Precautions to Be Taken in Handling and Storing Temperatures above 120 F. Avoid friction and shock, open ignition sources, strong RF fields, and static discharge.

Other Precautions Item listed as Igniters, Explosive 1.4S, UN0454, PGII and should be handled and stored in compliance with all government agencies.

Section VII—Control Measures

Respiratory Protection (*Specify Type*) None

Ventilation	Local Exhaust	None	Special	None
	Mechanical (<i>General</i>)	None	Other	None

Protective Gloves	None	Eye Protection	Safety Glasses
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Other Protective Clothing or Equipment None

Work/Hygienic Practices No smoking in vicinity