

# MATERIAL SAFETY DATA SHEET

Conforms to OSHA'S Hazard Communication Standard 29 CFR 1910.1200

## Identity:

Oxral Electric Match

## Section I

### Importer and Distributor's Name and Address:

Luna Tech, Inc.  
148 Moon Dr.  
Owens Cross Roads, AL 35763

**Emergency Telephone:** (+1) 813-248-0585, 800-255-3924  
**Telephone Number:** (+1)256-725-4224  
**Date Prepared:** 2004-12-22

## Section II-Hazardous Ingredients/Identity Information

| HAZARDOUS COMPONENTS                | OSHA PEL                          | ACGIH TLV | OTHER LIMITS              | % |
|-------------------------------------|-----------------------------------|-----------|---------------------------|---|
| Lead Dioxide CAS#1309-60-0          | TWA 0.1 mg Pb/m3<br>LD50:200mg/kg |           | ORAL GUINEA PIG<br>35-45% |   |
| Calcium Silicide CAS#12737-18-7     | Not listed                        |           |                           |   |
| Potassium Perchlorate CAS#7778-74-7 | 10 mg/m3                          |           | ORAL RAT LD50:2100 mg/kg  |   |
| Antimony Sulfide CAS#1345-04-6      | TWA 0.5 mg (Sb)/m3                |           |                           |   |
| Lead Picramate                      | Lead compounds TWA 0.1 mg Pb/m3   |           |                           |   |
| Nitrocellulose                      | 10 mg/m3                          |           |                           |   |

## SECTION III-PHYSICAL/CHEMICAL CHARACTERISTICS

|                                 |     |  |                    |
|---------------------------------|-----|--|--------------------|
| <b>Boiling Point:</b>           | N/A | <b>Specific Gravity (H2O=1):</b>           | approx. 4.5        |
| <b>Vapor Pressure (mm Hg.):</b> | N/A | <b>Melting Point:</b>                      | decomposes @ 270 C |
| <b>Vapor Density (Air=1):</b>   | N/A | <b>Evaporation Rate (Butyl Acetate=1):</b> | N/A                |

**Solubility in Water:** Insoluble with varnish coating intact

**Appearance and Odor:** Dark brown, or yellow match head sealed into white plastic shroud-with red and blue insulated wire leads.

## Section IV-Fire and Explosion Hazard Data

|                              |                         |            |            |
|------------------------------|-------------------------|------------|------------|
| <b>Flash Point:</b>          | <b>Flammable Limits</b> | <b>LEL</b> | <b>UEL</b> |
| Ignites at 270-280 degrees C | N/A                     | N/A        | N/A        |

**Extinguishing Media:** Water or Dry Chemical

**Special Fire Fighting Procedures:** Use respiratory protection when large quantities are involved.

**Unusual Fire and Explosion Hazards:** When ignited electric matches may throw hot sparks several feet and cause secondary fires. Matches may be ignited by shock or friction.

## Section V-Reactivity Data

**Stability:** Stable

**Conditions To Avoid:** Heat, sparks, and open flame. Do not subject match heads to impact or friction. Do not remove the shroud, it is furnished for safety to prevent premature ignition.

**Incompatibility (Materials to Avoid):** Acids, Chlorates, Reducing Agents

**Hazardous Decomposition or Byproducts:** Oxides of Nitrogen and lead, Lead Dust

**Hazardous Polymerization:** Will not occur

**Conditions To Avoid:**

