SECTION I - PRODUCT IDENTIFICATION

Trade Name(s): ELECTRIC SUPER™ COAL
ELECTRIC SUPER™ LP
ELECTRIC SUPER™ SP
ELECTRIC SUPER™ SEISMIC
ELECTRIC SUPER™ STARTER
ELECTRIC SUPER™ INSTANT
TRONA

Product Class: Commercial Electric Detonators and Accessory Products

Product Appearance & Odor: Metal cylinder with varying length of attached plastic coated wires.

DOT Hazard Shipping Description: Detonators, Electric 1.1B UN0030 II
Or
Detonators, Electric 1.4B UN0255 II

NFPA Hazard Classification: Not Applicable (See Section IV - Special Fire Fighting Procedures)

SECTION II - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS#</th>
<th>MAXIMUM %</th>
<th>TLV-ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tungsten</td>
<td>7440-33-7</td>
<td>0.47</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>Barium Chromate</td>
<td>10294-40-3</td>
<td>1.2</td>
<td>0.1 mg (Cr²O₃)/m³</td>
</tr>
<tr>
<td>Lead Compounds</td>
<td>--------</td>
<td>0.59</td>
<td>0.05 mg (Pb)/m³</td>
</tr>
<tr>
<td>Pentaerythritol Tetranitrate (PETN)</td>
<td>78-11-5</td>
<td>3.7</td>
<td>No Value Established</td>
</tr>
<tr>
<td>Boron</td>
<td>7440-42-8</td>
<td>0.21</td>
<td>No Value Established</td>
</tr>
<tr>
<td>Potassium Perchlorate</td>
<td>7778-74-7</td>
<td>0.50</td>
<td>No Value Established</td>
</tr>
<tr>
<td>Diazodinitrophenol (DDNP)</td>
<td>4682-03-5</td>
<td>0.26</td>
<td>No Value Established</td>
</tr>
<tr>
<td>Nitrocellulose</td>
<td>9004-70-0</td>
<td>&lt;0.1</td>
<td>No Value Established</td>
</tr>
</tbody>
</table>

Ingredients, other than those mentioned above, as used in this product are not hazardous as defined under current Department of Labor regulations.

SECTION III - PHYSICAL DATA

Boiling Point: Not Applicable
Vapor Pressure: Not Applicable
Vapor Density: Not Applicable
Density: Not Applicable
Percent Volatile by Volume: Not Applicable
Solubility in Water: Not Applicable
SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not Applicable  Flammable Limits: Not Applicable  

Extinguishing Media: None  

Special Fire Fighting Procedures: Do not attempt to fight fires involving explosive materials. Evacuate all personnel to a predetermined safe location, no less than 2,500 feet in all directions.  

Unusual Fire and Explosion Hazards: Can explode or detonate under fire conditions. Burning material may produce toxic vapors.  

SECTION V - HEALTH HAZARD DATA

Effects of Overexposure

Eyes: No exposure to chemical hazards anticipated with normal handling procedures. Particulates in the eye may cause irritation, redness and tearing.  

Skin: No exposure to chemical hazards anticipated with normal handling procedures.  

Ingestion: No exposure to chemical hazards anticipated with normal handling procedures.  

Inhalation: Not a likely route of exposure.  

Systemic or Other Effects: None known.  

Emergency and First Aid Procedures

Eyes: Irrigate with running water for at least fifteen minutes. If irritation persists, seek medical attention.  

Skin: Wash with soap and water.  

Ingestion: Seek medical attention.  

Inhalation: Not applicable.  

Special Considerations: None  

SECTION VI - REACTIVITY DATA

Stability: Stable under normal conditions, may explode when subjected to fire, supersonic shock or high-energy projectile impact, especially when confined or in large quantities.  

Conditions to Avoid: Keep away from heat, flame, ignition sources, strong shock and electrical impulse. Do not attempt to disassemble.  

Materials to Avoid (Incompatibility): Corrosives (acids and bases)  

Hazardous Decomposition Products: Carbon Monoxide (CO), Nitrous Oxides (NOx), Lead (Pb) and various oxides and complex oxides of metals.  

Hazardous Polymerization: Will not occur.  

SECTION VII - SPILL OR LEAK PROCEDURES
Steps to be taken in Case Material is Released or Spilled: Protect from all ignition sources. In case of fire evacuate area not less than 2,500 feet in all directions. Notify authorities in accordance with emergency response procedures. Only personnel trained in emergency response should respond. If no fire danger is present, and product is undamaged and/or uncontaminated, repackage product in original packaging or other clean DOT approved container. Ensure that a complete account of product has been made and is verified. Follow applicable Federal, State, and local spill reporting requirements.

Waste Disposal Method: Disposal must comply with Federal, State and local regulations. If product becomes a waste, it is potentially regulated as a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR, part 261. Review disposal requirements with a person knowledgeable with applicable environmental law (RCRA) before disposing of any explosive material.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation: Not required for normal handling.

Respiratory Protection: None normally required.

Protective Clothing: Cotton clothing is suggested.

Eye Protection: Safety glasses are recommended.

Other Precautions Required: None.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Store in cool, dry, well-ventilated location. Store in compliance with Federal, State, and local regulations. Keep away from heat, flame, ignition sources, strong shock, and electrical impulses.

Precautions to be taken during use: Avoid breathing the fumes or gases from detonation of explosives. Use accepted safe industry practices when using explosive materials. Unintended detonation of explosives or explosive devices can cause serious injury or death.

Other Precautions: It is recommended that users of explosive materials be familiar with the Institute of Makers of Explosives Safety Library Publications.

SECTION X - SPECIAL INFORMATION

This product contains the following substances that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>% By Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium Compounds</td>
<td>N040</td>
<td>1.2</td>
</tr>
<tr>
<td>Lead Compounds</td>
<td>N420</td>
<td>0 – 0.59</td>
</tr>
<tr>
<td>Chromium Compounds</td>
<td>N090</td>
<td>1.2</td>
</tr>
<tr>
<td>Product</td>
<td>Pb compounds in detonator [grams]</td>
<td>Pb compounds in detonator [Wt. %]</td>
</tr>
<tr>
<td>------------------</td>
<td>-----------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Electric Super SP</td>
<td>0.0412</td>
<td>0.588%</td>
</tr>
<tr>
<td>Electric Super LP</td>
<td>0.0412</td>
<td>0.588%</td>
</tr>
<tr>
<td>Electric Super Coal</td>
<td>0.0412</td>
<td>0.588%</td>
</tr>
<tr>
<td>Electric Super Seismic</td>
<td>0.0000</td>
<td>0.0000%</td>
</tr>
</tbody>
</table>

*Applies to only the detonator (source of lead). Do not use case weight or weight of any other component.

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