**SAFETY DATA SHEET**

**SECTION 1  PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT**

Product Name: IMPLO® (formerly Xeconex™) implosive connector

Product Description: Plastic-covered detonating cord (odorless) surrounding an outer Aluminum sleeve or an outer steel sleeve. Inside the aluminum sleeve there is an aluminum filler tube and a smaller steel sleeve.

Intended Use: Implosive Compression connector

**COMPANY IDENTIFICATION**

Supplier: BURNDY LLC
47 East Industrial Park Drive
Manchester, NH 03109 USA

24 Hour Emergency (INFOTRAC) (800) 535-5053 (US and Canada)
(352) 323-3500 (International)

Burndy Informational Number (603) 647-5000

**SECTION 2  HAZARDS IDENTIFICATION**

**CLASSIFICATION:**

<table>
<thead>
<tr>
<th>Health</th>
<th>Environmental</th>
<th>Physical</th>
</tr>
</thead>
<tbody>
<tr>
<td>No classifiable hazards</td>
<td>No classifiable hazards</td>
<td>Flammable solids – Category 1</td>
</tr>
</tbody>
</table>

**LABELLING:**

Explosive Flammable solid

**Signal word:** Explosive, Danger
**Hazard Statements**

H201: Explosive; mass explosion hazard.

**Risk Phrase:**

R2: Risk of explosion by shock, friction, fire or other sources of ignition.

**Precautionary Statements**

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, sparks, open flame, hot surfaces - No smoking.

---

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>Common synonym</th>
<th>CAS#</th>
<th>Percentage</th>
<th>Impurities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detonating Cord</td>
<td>Pentaerythritol Tetranitrate (PETN)</td>
<td>78-11-5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Aluminum Sleeve</td>
<td></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Galvanized low carbon steel sleeve</td>
<td></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Polyvinyl chloride (protective sleeve)</td>
<td></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### SECTION 4 FIRST AID MEASURES

**Steps to be taken in the event of a spill or leak:** Spillage or release very unlikely for finished articles. Stop and contain spill. Mix any spilled material with sawdust, using non-sparking tools, for disposal by burning.

### SECTION 5 FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Copious quantities of water.

**FIRE FIGHTING PROCEDURES:** Do not fight fires. Evacuate area promptly. Allow fire to burn itself out.

**OTHER FIRE OR EXPLOSION HAZARDS:** Burns without possibility of mass detonation.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

**Precautions:** These products are explosives and should be used under the supervision of an experienced blaster. Meet all legal requirements for shipping and magazine.

### SECTION 7 HANDLING AND STORAGE

**Handling procedures and equipment:** Keep clear during detonation. Avoid inhaling fumes.

**Storage temperature:** Ambient Temperatures

**Storage requirements:** Clean, dry, secure magazine
SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Exposure limits/standards (Note: Exposure limits are not additive)

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS #</th>
<th>TWA/STEL</th>
<th>OSHA PEL(ppm)</th>
<th>ACGIH TLV(ppm)</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrogen Dioxide</td>
<td>-</td>
<td>-</td>
<td>5 ppm ceiling</td>
<td>3 ppm</td>
<td>-</td>
</tr>
<tr>
<td>Nitric Oxide</td>
<td>-</td>
<td>-</td>
<td>25 ppm</td>
<td>25 ppm</td>
<td>-</td>
</tr>
<tr>
<td>Carbon Monoxide</td>
<td>-</td>
<td>-</td>
<td>50 ppm</td>
<td>50 ppm</td>
<td>-</td>
</tr>
</tbody>
</table>

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Typical physical and chemical properties are given below. Consult the Supplier in Section 1 for additional data.

GENERAL INFORMATION

Physical State: Solid

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Flash Point [Method]: Not Applicable
Auto ignition Temperature: PETN ignition at 205-225°C
Flammability Limits in Air (%): Not Applicable

SECTION 10 STABILITY AND REACTIVITY

Under Normal Conditions: Stable

Under Fire Conditions: Burns

Hazardous Polymerization: Will not occur

Conditions to Avoid: Excessive conditions of shock, impact or fire.

Materials to Avoid: Not Applicable

Hazardous Decomposition products: NO, NO₂, CO (PETN detonation products)

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicological Data: This is a manufactured article and may release hazardous products during detonation. Detonation products include NO, NO₂ and CO.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Effects: These materials are extremely insoluble in water. Furthermore, they are chemically stable.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Burn under supervision of an expert at approved explosives burning ground in accordance with local, provincial, state and federal regulations. Call upon the services of Burndy Representative.
SECTION 14 TRANSPORTATION

<table>
<thead>
<tr>
<th>Regulatory Information</th>
<th>UN Number</th>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
<th>Label(s)</th>
<th>RQ</th>
<th>Additional Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>US DOT</td>
<td>UN0442</td>
<td>Charges, Explosive, Commercial without detonator</td>
<td>1.1D</td>
<td>II</td>
<td><img src="image1.png" alt="Image" /></td>
<td>-</td>
<td>Reference Number: EX1994030148</td>
</tr>
<tr>
<td>TDG</td>
<td>UN0442</td>
<td>Charges, Explosive, Commercial without detonator</td>
<td>1.1D</td>
<td>II</td>
<td><img src="image2.png" alt="Image" /></td>
<td>-</td>
<td>Packing method: CGSB-43.151 UN 137</td>
</tr>
<tr>
<td>ADR</td>
<td>UN0442</td>
<td>Charges, Explosive, Commercial without detonator</td>
<td>1.1D</td>
<td>II</td>
<td><img src="image3.png" alt="Image" /></td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>IATA</td>
<td>UN0442</td>
<td>Charges, Explosive, Commercial without detonator</td>
<td>1.1D</td>
<td>II</td>
<td><img src="image4.png" alt="Image" /></td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>IMDG</td>
<td>UN0442</td>
<td>Charges, Explosive, Commercial without detonator</td>
<td>1.1D</td>
<td>II</td>
<td><img src="image5.png" alt="Image" /></td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 15 REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purpose, this material is classified as hazardous in accordance with OSHA 29CFR 1910.1200.

EU RISK (R) AND SAFETY (S) PHRASES:
- Danger Symbol: E Explosive
- Risk phrases: R2 Risk of explosion by shock, friction, fire or other sources of ignition
- Safety Phrases: S2 Keep out of reach of children

SECTION 16 OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

- Health – 0
- Flammability - 1
- Reactivity-0

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS) RATINGS:

- Health – 0
- Flammability - 1
### THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>Description</th>
<th>Sections Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>MSDS version</td>
<td>-</td>
</tr>
<tr>
<td>08/17/2012</td>
<td>Update</td>
<td>-</td>
</tr>
<tr>
<td>03/27/2013</td>
<td>SDS version written</td>
<td>1-16</td>
</tr>
</tbody>
</table>

----- This SDS provides a good faith representation of information believed to be accurate as of the last revision date. This document does not create any express or implied product warranties. Since conditions of use are beyond the control of Burndy LLC, all risks associated with product use are assumed by the user. 

--------------------------------------------------------------------------------------------------------------------------