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:

Health	Environmental	Physical
No classifiable hazards	No classifiable hazards	Flammable solids – Category 1

LABELLING:

Explosive

Flammable solid

Signal word: Explosive, Danger

Hazard Statements	***Precautionary Statements***
H201: Explosive; mass explosion hazard. **Risk Phrase:** R2: Risk of explosion by shock, friction, fire or other sources of ignition.	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

Name	Common synonym	CAS#	Percentage	Impurities
Detonating Cord	Pentaerythritol Tetranitrate (PETN)	78-11-5	-	-
Aluminum Sleeve	-	-	-	-
Galvanized low carbon steel sleeve	-	-	-	-
Polyvinyl chloride (protective sleeve)	-	-	-	-

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 experiences 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)

Component Name	CAS #	TWA/STEL	OSHA PEL(ppm)	ACGIH TLV(ppm)	Note
Nitrogen Dioxide	-	-	5 ppm ceiling	3 ppm	-
Nitric Oxide	-	-	25 ppm	25 ppm	-
Carbon Monoxide	-	-	50 ppm	50 ppm	-

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 205-225ºC
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, NO_2, 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

Regulatory Information	UN Number	Proper Shipping Name	Hazard Class	Packing Group	Label(s)	RQ	Additional Information
US DOT	UN0442	Charges, Explosive, Commercial without detonator	1.1D	II		-	Reference Number: EX1994030148
TDG	UN0442	Charges, Explosive, Commercial without detonator	1.1D	II		-	Packing method: CGSB-43.151 UN 137
ADR	UN0442	Charges, Explosive, Commercial without detonator	1.1D	II		-	
IATA	UN0442	Charges, Explosive, Commercial without detonator	1.1D	II		-	
IMDG	UN0442	Charges, Explosive, Commercial without detonator	1.1D	II		-	

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:

Revision Date	Description	Sections Affected
-	MSDS version	-
08/17/2012	Update	-
03/27/2013	SDS version written	1-16

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