

I N D I R E C T   A I R   C A R R I E R   C E R T I F I C A T E

INTERGLOBAL FORWARDING SERVICES INC  
1A COLONY ROAD  
JERSEY CITY, NJ 07305  
FMC # 2747  
TELEPHONE NUMBER : 2018588560  
TSA APPROVAL NUMBER: EA9402060

Airline: C.A.L. CARGO AIR LINES LTD

Air Waybill : 700-74118623  
Scheduled Flt: 0552  
Origin : JFK  
Pieces : 3

Our Reference: 02FFAE23111323  
Departure : 12 JAN 24  
Destination : TLV  
Gross Wt : 663.6 K

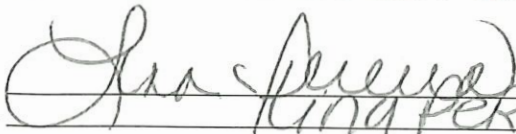
Total Number and name of each unknown shipper represented is 0

Items being offered for transportation less than 16ounces 0

"INTERGLOBAL FORWARDING SERVICES INC  
is in compliance with its TSA-approved security program and  
all applicable security directives. Our number assigned by  
TSA is EA9402060. All cargo tendered in conjunction with  
this certification was either 1) accepted from a known  
shipper or an unknown shipper in accordance with TSA  
requirements specified in the Indirect Air Carrier Standard  
Security Program or 2) accepted under transfer from another  
aircraft operator, foreign air carrier, or IAC operating  
under a TSA-approved or accepted security program. The  
individual whose name appears below certifies that he or she  
is an employee or authorized representative of  
INTERGLOBAL FORWARDING SERVICES INC  
and understands that any fraudulent or false statement made  
in connection with this certification may subject this  
individual and INTERGLOBAL FORWARDING SERVICES INC  
to both (1) civil penalties under 49 CFR 1540.103(b) and (2)  
fines and/or imprisonment of not more than 5 years under  
18 USC 1001."

Signature of IAC Rep.

Print name of IAC Rep.

  
Linda Pereira

Date 12/16/23

Accepting Airline: C.A.L. CARGO AIR LINES LTD

Airline representative's Signature and ID number:

700-74118623

ORIGINAL (FOR SHIPPER)

700-74118623



## SHIPPER'S DECLARATION FOR DANGEROUS GOODS

(Provide at least two copies to the airline.)

Shipper:

VISTA OUTDOOR SALES LLC  
1 VISTA WAY  
ANOKA, MN 55303  
USA

Air Waybill No.

Page 1 of 1 Pages

Shipper's Reference Number

SO016660083+RT02677628

Consignee:

IMI SYSTEMS LTD  
YITZHAK PLANT  
64 BIALIK BLVD  
RAMAT HASHARON, 47100  
ISRAEL (ISR)

Two completed and signed copies of this Declaration must  
be handed to the operator.

## WARNING

Failure to comply in all respects with the applicable  
Dangerous Goods Regulations may be in breach of the  
applicable law, subject to legal penalties.

## TRANSPORT DETAILS

This shipment is within the  
limitations prescribed for:  
(delete non-applicable)

Airport of Departure

Passenger  
and cargo  
aircraft

☒ Cargo Aircraft Only

JFK  
New York  
USA

Airport of Destination:

Tel Aviv, Israel

Shipment type: (delete non-applicable)

NON-RADIOACTIVE

☒ RADIOACTIVE

## NATURE AND QUANTITY OF DANGEROUS GOODS

(see Subsections 6.6 and 8.1 of IATA Dangerous Goods Regulations)

## Dangerous Goods Identification

UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Packing Group	Quantity and Type of packing	Packing Inst.	Authorization
UN0044	PRIMERS, CAP TYPE	1.4S		16 FIBREBOARD BOXES X 12.72 kg (NEQ 0.96 kg)  OVERPACK USED X 2 # 1, #2 TOTAL QUANTITY PER OVERPACK 203.52 kg (NEQ: 15.36 kg)	133	EX - 1995120110
UN0044	PRIMERS, CAP TYPE	1.4S		5 FIBREBOARD BOXES X 12.72 kg (NEQ 0.96 kg)	133	EX - 1995120110
UN0044	PRIMERS, CAP TYPE	1.4S		1 FIBREBOARD BOX X 6.35 kg (NEQ 0.48 kg) OVERPACK USED X 1 # 3 TOTAL QUANTITY PER OVERPACK 69.95 kg (NEQ: 5.28 kg)	133	EX - 1995120110

Additional Handling Information

SPILLED PRIMERS SHOULD BE REPLACED IN THEIR PROTECTIVE PACKAGING OR  
PLACED IN A CONTAINER OF WATER FOR DISPOSAL.

CHEMTREC Emergency 24 Hour Contact Tel. No.

800-424-9300

DOMESTIC

CHEMTREC ACCT# CCN 8313

+1-703-527-3887

INTERNATIONAL

I hereby declare that the contents of this consignment are fully and  
accurately described above by the proper shipping name and are  
classified, packaged, marked and labeled/placarded, and are in all  
respects in proper condition for transport according to applicable  
international and national governmental regulations. I declare that all  
of the applicable air transport requirements have been met.

Name/Title of Signatory

Roman Orloglo / Traffic Supv

Place and Date

Anoka, MN 25/10/2023

Signature

(see warning above)



U.S. Department  
of Transportation

East Building, PHH-32  
1200 New Jersey Avenue, Southeast  
Washington, D.C. 20590

Pipeline and Hazardous  
Materials Safety Administration

The US Department of Transportation  
Competent Authority for the United States

**CLASSIFICATION OF EXPLOSIVES**  
**FIRST REVISION**

Based upon a request by Federal Cartridge Company, 2299 Snake River Avenue, Lewiston, ID 83501, United States the following items are classed in accordance with Section 173.56, Title 49, Code of Federal Regulations (49 CFR). A copy of your application, all supporting documentation and a copy of this approval must be retained and made available to DOT upon request.

**U.N. PROPER SHIPPING NAME AND NUMBER:**

Primers, cap type, UN0044

**U.N. CLASSIFICATION CODE:** 1.4S

**REFERENCE NUMBER**

EX1995120110

**PRODUCT DESIGNATION/PART NUMBER**

Primer, 500LF, Small Pistol, Lead Free

NOTES: This approval as revised supersedes all previous versions.

**DATED:** 08/22/2012

*Harpreet K. Singh*

For Dr. Magdy El-Sibaie  
Associate Administrator for Hazardous Materials Safety



**Invoice****Remit To:****Vista Outdoor Sales LLC**

1 Vista Way, Anoka, MN 55303

**Vista Outdoor Sales LLC**  
P.O. Box 734147  
Chicago, IL 60673-4147  
USAAccounts Receivable: accountsreceivable@vistaoutdoor.com  
Customer Service: (800)322-2342  
Fax: (763)323-3890  
Tax ID: 46-4740605  
Duns: 079331239  
UEL: ENR9ZAAGMWJSShipped From:  
1 Vista Way  
Anoka, MN 55303  
USAInvoice # INV002287799  
Invoice Date: 12/1/2023  
Order # SO016660083  
Order Date: 6/13/2023  
Page: 1 of 2  
Customer # 221681  
Customer Order # 27214201**Sold To:**IMI SYSTEMS  
POB: 1044  
4711001  
RAMAT HASHARON, 47100  
Israel**Ship To:**IMI SYSTEMS LTD  
YITZHAK PLANT  
64 BIALIK BLVD  
  
RAMAT HASHARON, 47100  
Israel

Tracking Number:	See below	Discount Terms:	Net Terms:	Prepaid
Shipped Via:	ODFL		Net Due Date:	12/11/2023
Customer Reference:				

Description	SKU or Part #	Quantity		UOM	Price	Unit Weight	Extended Weight	Extended Amount
		Quantity	Shipped					
500 LF SMALL PISTOL PRIMER	67	1,500,000.00	1,500,000.00	EA		0.00		

Quantity : 1,500,000.00 Packing slip No. : PK002348550 Ship date : 12/01/2023

Excise Tax Not Included

Total Weight 1,350.00

Sales subtotal amount  
Sales Tax  
Total charges  
Total

Any shortages should be reported within 20 days of shipment from our facilities.

# Invoice

## Remit To:

## Vista Outdoor Sales LLC

1 Vista Way, Anoka, MN 55303

Vista Outdoor Sales LLC  
P.O. Box 734147  
Chicago, IL 60673-4147  
USA

Accounts Receivable: accountsreceivable@vistaoutdoor.com  
Customer Service: (800)322-2342  
Fax: (763)323-3890  
Tax ID: 46-4740605  
Duns: 079331239  
UEI: ENR9ZAAGMWJ5

Shipped From:  
1 Vista Way  
Anoka, MN 55303  
USA

Invoice # INV002287799  
Invoice Date: 12/1/2023  
Order # SO016660083  
Order Date: 6/13/2023  
Page: 2 of 2  
Customer # 221681  
Customer Order # 27214201

The country of ultimate destination: ISRAEL  
The end user: IMI Systems  
Authorization: D1265312

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise be disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

INVOICE PAYABLE IN U.S. DOLLARS ONLY.  
COUNTRY OF ORIGIN: USA UNLESS OTHERWISE SPECIFIED.  
TITLE AND RISK PASS TO BUYER WHEN DELIVERED TO INITIAL INLAND CARRIER AT OUR DOCK UNLESS OTHERWISE SPECIFIED  
INCOTERMS 2020: FCA VISTA OUTDOOR SALES LLC DOCK.  
INLAND FREIGHT PREPAID TO FORWARDER'S WAREHOUSE WHERE APPLICABLE.  
EXEMPTION FTR 30.37(a) APPLICABLE FOR NON-LICENSABLE ITEMS UNDER \$2500 PER INDIVIDUAL SCHEDULE B NUMBER

ALL SHIPMENTS REQUIRED TO BE PACKED FOR AIR FREIGHT WILL BE CHARGE A 1.5% AIR PACKING FEE.

## REMIT-TO INFORMATION

WIRE / ACH PAYMENT ADDRESS:  
BANK NAME: JPMORGAN CHASE  
Account Name: Vista Outdoor Sales LLC  
Account Number: 313511898  
Routing Number:  
- ACH Transactions: 071000013  
- Domestic Wire Transfers: 021000021  
- SWIFT Code for International Wire Transfers: CHASUS33

## Invoice Declaration

I, the undersigned, hereby declare that unless otherwise indicated, the goods covered by this document fully comply with the rules of origin and the other provisions of the Agreement on the Establishment of a Free Trade Area between the Government of Israel and the Government of the United States of America.

(X) The Exporter (whether the exporter is the producer or not)  
( ) The Producer (is not the exporter)

Tax identification: 46474060500  
Name: Amber Bell  
Title: International Export Coordinator  
E-mail: Amber.Bell@VistaOutdoor.com  
Signature: Amber Bell

Tracking Number: 99967436009

Vista Outdoor Sales LLC is a subsidiary of Vista Outdoor Inc. All sales subject to Vista Outdoor General Terms and Conditions of Sale including but not limited to the following: FOB Origin (freight prepaid where applicable); Title and risk of loss transfer to the Buyer upon delivery to the carrier; No goods sold on consignment. No merchandise may be returned without prior authorization and returns may be subject to a restocking fee. Contact Customer Service for return authorization. Sales personnel are not authorized to make adjustments or alter terms of sale. No unauthorized discounts or offsets allowed. Customer agrees to pay a late fee of 1.5% (18% annum) or the highest amount allowed by law for past due balances. Customer agrees to pay all cost of collection including attorney's fees, court costs and other collection expenses. Products from Vista Outdoor Sales LLC may be controlled under the International Traffic in Arms Regulations and/or the Export Administration Regulations, and is subject to Export Control Laws of the U.S. Government. Transfer of controlled products by any means to a foreign person, whether in the U.S. or abroad, without an export license or other approval from the U.S. Department of State or the U.S. Department of Commerce, is prohibited. Any terms on any purchase order are hereby rejected and replaced with the foregoing terms, which are deemed accepted by acceptance of the goods. <http://vistaoutdoor.com/wp-content/uploads/2018/08/Vista-Outdoor-Terms-Conditions-of-Sale-August-2018.pdf>

Shipped From: VISTA OUTDOOR SALES LLC  
1 VISTA WAY

## Packing List

ANOKA, MN 55303

<b>Sold To:</b> IMI SYSTEMS YITZHAK PLANT 64 BIALIK BLVD RAMAT HASHARON, ISR	<b>Ship To:</b> IMI SYSTEMS LTD 1 YITZHAK PLANT 64 BIALIK BLVD RAMAT HASHARON, 47100 ISR		
<b>Page Number 1 of 2</b>	<b>Shipment ID:</b> SO016660083+RT02677628	<b>Order Date:</b> 06/13/2023	<b>Ship Date:</b> 10/23/2023
<b>Customer No:</b> 221681	<b>Customer PO(s)</b> 27214201		

Item	Description	ERP Order #	Customer PO	Base Quantity	Converted Qty	Extended Weight
67	500 LF SMALL PISTOL PRIMER	SO016660083	27214201	1,500,000.00 EA	38.00 CS	1,360.58 LB

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<http://vistaoutdoor.com/wp-content/uploads/2018/08/Vista-Outdoor-Terms-Conditions-of-Sale-August-2018.pdf>

Shipped From: VISTA OUTDOOR SALES LLC  
1 VISTA WAY

## Packing List

ANOKA, MN 55303

<b>Sold To:</b> IMI SYSTEMS YITZHAK PLANT 64 BIALIK BLVD RAMAT HASHARON, ISR	<b>Ship To:</b> IMI SYSTEMS LTD 1 YITZHAK PLANT 64 BIALIK BLVD RAMAT HASHARON, 47100 ISR		
Page Number 2 of 2	Shipment ID: SO016660083+RT02677628	Order Date: 06/13/2023	Ship Date: 10/23/2023
Customer No: 221681	Customer PO(s) 27214201		

Please Bring any Discrepancies to our Attention Immediately

Total Pallets: 3.00

Total Weights: 1,360.58 LB

		Primers	Grand Total
CS	Quantity	38.00	38.00
	Weight(lb)	1,360.58	1,360.58
Summary	Quantity	38.00	38.00
	Weight(lb)	1,360.58	1,360.58

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<http://vistaoutdoor.com/wp-content/uploads/2018/08/Vista-Outdoor-Terms-Conditions-of-Sale-August-2018.pdf>





## CCI/Speer Rifle, Pistol Primers – Lead Free

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 05/18/2016

Date of issue: 05/18/2016

Supersedes Date: 02/10/2015

Version: 2.0

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Name:** Lead Free Rifle and Pistol Primers

**Product Code:**

### Intended Use of the Product

Small Arms Cartridge reloading

### Name, Address, and Telephone of the Responsible Party

#### **Company**

Federal Cartridge Company d/b/a CCI/Speer

2299 Snake River Avenue

Lewiston, ID 83501

T 1-800-635-7656

### Emergency Telephone Number

**Emergency number** : 1-800-424-9300 (Inside US), 01-703-527-3887 (Outside US) - (CHEMTREC, Day or Night)

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### **Classification (GHS-US)**

Physical Hazards:	Explosives	Division 1.4S
Health Hazards:	Acute Toxicity (Oral)	Category 4
	Skin Sensitization	Category 1A
	Specific Target Organ Toxicity, Repeat Exposure	Category 2

### Label Elements

#### **GHS-US Labeling**

**Hazard Pictograms (GHS-US)** :



GHS07

**Signal Word (GHS-US)** :

**WARNING**

**Hazard Statements (GHS-US)** :

Fire or projection hazard. May cause an allergic skin reaction.

**Precautionary Statements (GHS-US)**

#### Prevention:

Do not handle until all safety precautions have been read and understood. Keep away from heat. No smoking. Do not subject to shock. Wear eye protection. Do not breathe fumes. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

#### Response:

In case of fire: Evacuate area. Fight fire with normal precautions from a reasonable distance. If exposed, concerned or you feel unwell: Call a doctor or get medical attention.

Storage: Store in accordance with applicable fire codes. **KEEP ONLY IN ORIGINAL PACKAGING.**

Disposal: Dispose of ammunition and primers in accordance with local regulations.

Supplemental information: The hazardous components of this product are encased and are not biologically available. Therefore, some health hazards do not apply to the overall product. Decomposition products, including lead, are released during the firing of primers. Use only outdoors or in a well-ventilated area. Do not attempt to open or dissect a primer, as it may explode causing projectiles dangerous to the eyes, skin and body. Keep in original factory packaging and trays provided **ONLY – DO NOT STORE IN BULK.**

# CCI/Speer Rifle, Pistol Primers – Lead Free

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Other Hazards

**Other Hazards Not Contributing to the Classification:** Barium is a toxic metals that may be released during the firing of primers. Care should be taken in the cleaning of range facilities to minimize the exposure potential to barium. Persons engaged in these activities should wear protective clothing with an appropriate respirator. **Accidental Injury From Fired Cartridge:** Fired ammunition can create serious injury, possibly both entrance and exit wounds. To avoid serious injury, use ammunition only in good condition and originally chambered for a particular caliber. Always keep the barrel free of any obstruction. If the gun fails to fire, a delayed firing may occur, or the gun may fire upon being opened. Keep gun muzzle pointed in a safe direction. Wait 30 seconds. Avoid exposure to breech. Carefully unload. A fired bullet has an extremely long range and can cause serious injury or death. Always be sure of the backstop, and practice safe muzzle control at all times. Avoid firing at surfaces.

**Unknown Acute Toxicity (GHS-US)** Not available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

Name	Product identifier	% (w/w)
Copper	(CAS No) 7440-50-8	60-70
Zinc	(CAS No) 7440-66-6	2-30
Diazodinitrophenol*	(CAS No) 4682-03-5	< 1
Nickel**	(CAS No) 7440-02-0	≤ 1
Nitrocellulose*	(CAS No) 9004-70-0	0 – 2.0
Barium Nitrate*	(CAS No) 10022-31-8	0 – 1

\*The hazardous components of this product are encased within a shell and are unlikely to be released under normal handling conditions. Therefore, the health and environmental hazards associated with certain components do not apply to the product overall. More than one of the ranges of concentration prescribed by Controlled Products Regulations has been used where necessary due to varying composition.

\*\*It is suspected that nickel causes cancer and damage to the respiratory tract via inhalation. Because this product is in massive form, it is unlikely that respiration is a potential route of exposure. Therefore, the hazards usually associated with nickel do not apply to this product.

The ecotoxicological information applies to the materials encased within the product.

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Call a POISON CENTER/doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

**Ingestion:** Rinse mouth. Do not induce vomiting. Get medical advice and attention if you feel unwell.

### Most Important Symptoms and Effects Both Acute and Delayed

**General:** Harmful if swallowed, in contact with skin or if inhaled. Projectiles from fired cartridges can cause puncture wounds. When cartridges are fired or otherwise discharged, dust, vapors, and/or fumes may be absorbed by the digestive system and can result in both acute and chronic overexposure. Ingestion of a complete primer can cause irritation to the digestive system, and possibly other unknown health effects.

**Inhalation:** Harmful if inhaled.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** May cause eye irritation.



# CCI/Speer Rifle, Pistol Primers – Lead Free

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**Ingestion:** Harmful if swallowed.

**Chronic Symptoms:** Long term barium exposure can irritate the lungs and cause bronchitis, may damage the kidneys, and can cause an abnormal chest xray.

### Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media:** DO NOT FIGHT FIRES INVOLVING EXPLOSIVES. Water may be applied through fixed extinguishing system (sprinklers) as long as people need not be present for the system to operate.

**Unsuitable Extinguishing Media:** DO NOT fight fires involving explosives.

### Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** May ignite if heated to 250°F (121°C) causing projection of metal fragments. Mass explosion will not occur in factory packaging. LOOSE PRIMERS OUTSIDE OF FACTORY PACKAGING CAN MASS DETONATE. Hazardous chemical and toxic by-products from chemical decomposition may be formed during fire. These products vary depending on fire conditions and other combustibles present during fire. These may include smoke, carbon monoxide, carbon dioxide, oxides of nitrogen and lead fumes. Complete ventilation of structure is recommended.

**Explosion Hazard:** Explosive. Explosion risk in case of fire. Unpackaged primer detonations can propagate causing simultaneous detonation of surrounding primers resulting in a violent explosion.

**Reactivity:** May detonate with friction, impact, and heat.

### Advice for Firefighters

**Precautionary Measures Fire:** Do not breathe fumes from fires or vapors from decomposition.

**Firefighting Instructions:** Perform a risk assessment before engaging in offensive firefighting operations. Unless life safety risk or significant risk of property loss is present, consider taking defensive posture, protecting exposures and maintaining safe distance until material is consumed. For further information see the video "Ammunition and the Fire Fighter" by the Sporting Arms and Ammunition Manufacturers' Institute (SAAMI).

**Protection During Firefighting:** Firefighters should wear full protective gear when fighting or downwind of initial fire.

**Hazardous Combustion Products:** Metal oxides. Nitrogen oxides. Carbon oxides (CO, CO<sub>2</sub>).

### Reference to Other Sections

Refer to section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid skin and eye contact. Do not breathe dust or fumes. Remove ignition sources. No naked lights. No smoking. Evacuate danger area. Do not allow product to spread into the environment.

#### For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area.

### Environmental Precautions

Avoid release to the environment.

### Methods and Material for Containment and Cleaning Up

**For Containment:** Contain and collect as any solid. Use only non-sparking tools.

**Methods for Cleaning Up:** DO NOT SWEEP SPILLED PRIMERS INTO A PILE. Spray spilled primers with a water/detergent mixture. Do not allow primers to become dry.

### Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

**Additional Hazards When Processed:** Projectiles from fired cartridges can cause puncture wounds. Remove cartridges from service if any of the following conditions have occurred: corrosion, physical damage, exposure to oil or spray type lubricants.



# CCI/Speer Rifle, Pistol Primers – Lead Free

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

### Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.

**Storage Conditions:** KEEP IN ORIGINAL CONTAINER. Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep in fireproof place.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

**Storage Area:** Store locked up.

**Specific End Use(s)** Small arms primer

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Copper (7440-50-8)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup>
USA IDLH	US IDLH (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup>
Alberta	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
British Columbia	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup>
Manitoba	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup>
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Newfoundland & Labrador	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup>
Nova Scotia	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup>
Nunavut	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Nunavut	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Northwest Territories	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Northwest Territories	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Ontario	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Prince Edward Island	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup>
Québec	VEMP (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Saskatchewan	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
Saskatchewan	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Yukon	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Yukon	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Nickel (7440-02-0)		
Mexico	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1.5 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	0.015 mg/m <sup>3</sup>
USA IDLH	US IDLH (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Alberta	OEL TWA (mg/m <sup>3</sup> )	1.5 mg/m <sup>3</sup>
British Columbia	OEL TWA (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>
Manitoba	OEL TWA (mg/m <sup>3</sup> )	1.5 mg/m <sup>3</sup>
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Newfoundland & Labrador	OEL TWA (mg/m <sup>3</sup> )	1.5 mg/m <sup>3</sup>
Nova Scotia	OEL TWA (mg/m <sup>3</sup> )	1.5 mg/m <sup>3</sup>
Nunavut	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Nunavut	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Northwest Territories	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Northwest Territories	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>



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Ontario	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Prince Edward Island	OEL TWA (mg/m <sup>3</sup> )	1.5 mg/m <sup>3</sup>
Québec	VEMP (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Saskatchewan	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
Saskatchewan	OEL TWA (mg/m <sup>3</sup> )	1.5 mg/m <sup>3</sup>
Yukon	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
Yukon	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>

<b>Barium (7440-39-3)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup>
Alberta	OEL TWA (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup>
British Columbia	OEL TWA (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup>
Manitoba	OEL TWA (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup>
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup>
Newfoundland & Labrador	OEL TWA (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup>
Nova Scotia	OEL TWA (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup>
Ontario	OEL TWA (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup>
Prince Edward Island	OEL TWA (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup>
Saskatchewan	OEL STEL (mg/m <sup>3</sup> )	1.5 mg/m <sup>3</sup>
Saskatchewan	OEL TWA (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup>

### Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective goggles. Protective clothing.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or safety glasses.

**Skin and Body Protection:** Wash contaminated clothing before reuse.

**Respiratory Protection:** Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

**Environmental Exposure Controls:** Do not allow the product to be released into the environment.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: Nickel plated or brass cup.
Odor	: Not available
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not available
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available

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Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Relative Density	: Not available
Specific Gravity	: Not available
Solubility	: Not available
Partition coefficient: n-octanol/water	: Not available
Viscosity	: Not available
Explosive properties	: Fire or projection hazard
Explosion Data – Sensitivity to Mechanical Impact	: Sensitive to mechanical impact
Explosion Data – Sensitivity to Static Discharge	: Not sensitive

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** May detonate with friction, impact, and heat. May propagate outside of original container.

**Chemical Stability:** Risk of explosion by shock, friction, fire or other sources of ignition.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Heat. Sparks. Open flame. Overheating. Extremely high or low temperatures. Direct sunlight.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

**Hazardous Decomposition Products:** None known.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects - Product

**Acute Toxicity:** Fatal if swallowed. Fatal if inhaled.

**LD50 and LC50 Data:**

Rifle & Pistol Primers – CLEAN-FIRE	
ATE US (oral)	5.00 mg/kg body weight
ATE US (dermal)	50.00 mg/kg body weight
ATE US (dust, mist)	0.05 mg/l/4h

**Skin Corrosion/Irritation:** Not classified

**Serious Eye Damage/Irritation:** Not classified

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not available

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** May cause damage to organs through prolonged or repeated exposure.

**Reproductive Toxicity:** May damage fertility or the unborn child.

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Fatal if inhaled.

**Symptoms/Injuries After Skin Contact:** May cause skin irritation.

**Symptoms/Injuries After Eye Contact:** May cause eye irritation.

**Symptoms/Injuries After Ingestion:** Fatal if swallowed.

**Chronic Symptoms:** May damage fertility. May damage the unborn child. May cause damage to organs through prolonged or repeated exposure.

#### Information on Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data:**

Barium (7440-39-3)	
LD50 Oral Rat	132 mg/kg
Nickel (7440-02-0)	
LD50 Oral Rat	> 9000 mg/kg

### SECTION 12: ECOLOGICAL INFORMATION

#### Toxicity

**Ecology - General:** The ecotoxicological information applies to the materials encased within the product..



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<b>Zinc (7440-66-6)</b>	
LC50 Fish 1	2.16 - 3.05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	0.139 - 0.908 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC 50 Fish 2	0.211 - 0.269 mg/l (Exposure time: 96 h - Species: Pimephales promelas [semi-static])

<b>Nickel (7440-02-0)</b>	
LC50 Fish 1	100 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)
EC50 Daphnia 1	100 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	1.3 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static])
EC50 Daphnia 2	1 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 Other Aquatic Organisms 2	0.174 - 0.311 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata [static])

<b>Copper (7440-50-8)</b>	
LC50 Fish 1	0.0068 - 0.0156 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	0.03 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 Other Aquatic Organisms 1	0.0426 - 0.0535 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [static])
LC 50 Fish 2	0.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Other Aquatic Organisms 2	0.031 - 0.054 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata [static])

### Persistence and Degradability

<b>Rifle &amp; Pistol Primers – CLEAN-FIRE</b>	
Persistence and Degradability	Not established. May cause long-term adverse effects in the environment.

<b>Copper (7440-50-8)</b>	
Persistence and Degradability	Not readily biodegradable.

### Bioaccumulative Potential

<b>Rifle &amp; Pistol Primers – CLEAN-FIRE</b>	
Bioaccumulative Potential	Not established.

### Mobility in Soil

Not available

### Other Adverse Effects

Other Information: Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Ecology – Waste Materials:** Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 In Accordance with DOT

The environmentally hazardous substance mark is not required when transported in sizes of .5 L or ≤5 kg.

Proper Shipping Name : PRIMERS, CAP TYPE  
Hazard Class : 1.4S  
Identification Number : UN0044  
Label Codes : 1.4S  
Packing Group : II  
ERG Number : 114



### 14.2 In Accordance with IMDG

Proper Shipping Name : PRIMERS, CAP TYPE  
Hazard Class : 1  
Identification Number : UN0044  
Label Codes : 1.4S  
EmS-No. (Fire) : F-B  
EmS-No. (Spillage) : S-X  
MFAG Number : 114



### 14.3 In Accordance with IATA

Proper Shipping Name : Consult air carrier for shipping advice.  
Identification Number :

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Hazard Class :  
Label Codes :  
ERG Code (IATA) :  
14.4 In Accordance with TDG  
Proper Shipping Name : PRIMERS, CAP TYPE  
Packing Group : II  
Hazard Class : 1.4S  
Identification Number : UN0044  
Label Codes : 1.4S



## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

Rifle & Pistol Primers – Lead Free	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard Sudden release of pressure hazard
Zinc (7440-66-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	1.0 % (dust or fume only)
Nickel (7440-02-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable Quantity, Section 304 of EPA's List of Lists):	100 lb (only applicable if particles are < 100 µm)
SARA Section 313 - Emission Reporting	0.1 %
Nitrocellulose (9004-70-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Copper (7440-50-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	1.0 %
Diazodinitrophenol (4682-03-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Barium (7440-39-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	1.0 %

### US State Regulations

Nickel (7440-02-0)	
U.S. - California - Proposition 65 - Carcinogens List	WARNING: This product contains chemicals known to the State of California to cause cancer.
Zinc (7440-66-6)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
U.S. - Pennsylvania - RTK (Right to Know) List	
Nickel (7440-02-0)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	



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U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances  
U.S. - Pennsylvania - RTK (Right to Know) List

### Nitrocellulose (9004-70-0)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

### Copper (7440-50-8)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
U.S. - Pennsylvania - RTK (Right to Know) List

### Barium (7440-39-3)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
U.S. - Pennsylvania - RTK (Right to Know) List

## Canadian Regulations

### Small Arms Primers

WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects Class B Division 6 – Reactive Flammable Material <b>Note: Explosives are not regulated under WHMIS. They are subject to the regulations of the Explosives Act of Canada.</b>
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### Zinc (7440-66-6)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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### Nitrocellulose (9004-70-0)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification	<b>Note: Explosives are not regulated under WHMIS. They are subject to the regulations of the Explosives Act of Canada.</b>
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### Copper (7440-50-8)

Listed on the Canadian DSL (Domestic Substances List)  
Listed on the Canadian IDL (Ingredient Disclosure List)

IDL Concentration 1 %

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
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### Nitroglycerin (55-63-0)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification	<b>Note: Explosives are not regulated under WHMIS. They are subject to the regulations of the Explosives Act of Canada.</b>
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### Nickel (7440-02-0)

Listed on the Canadian DSL (Domestic Substances List) inventory.  
Listed on the Canadian Ingredient Disclosure List

IDL Concentration 0.1 %

WHMIS Classification	Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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Diazodinitrophenol (4682-03-5)	
Listed on the Canadian NDSL (Non-Domestic Substances List)	
Barium (7440-39-3)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class B Division 6 - Reactive Flammable Material Class D Division 2 Subdivision B - Toxic material causing other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision date : 5/18/2016

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### Party Responsible for the Preparation of This Document

Federal Cartridge Company d/b/a CCI Speer  
2299 Snake River Avenue  
Lewiston, ID 83501  
1-800-635-7656

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

North America GHS US 2012 & WHMIS 2