

INDIRECT AIR CARRIER CERTIFICATE

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

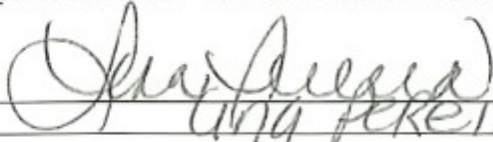
Airline: C.A.L. CARGO AIR LINES LTD

Air Waybill : 700-74144416	Our Reference: 02FFAE24111563
Scheduled Flt: 0732	Departure : 27 MAR 24
Origin : JFK	Destination : TLV
Pieces : 15	Gross Wt : 4111.3 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. ANA PEREIRA

Date 3/20/24

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

Airline representative's Signature and ID number: _____

700 JFK 7414 4416

700-74144416

Shipper's Name and Address OLIN CORP WINCHESTER DIV 600 POWDER MILL ROAD EAST ALTON IL 62024 13-1872319		Shipper's Account Number		Not Negotiable Air Waybill Issued by CAL CARGO AILINES LTD C/O LUFTHANSA BUILDING 261 JFK INTL AIRPORT JAMAICA NY TEL. NO.:	
Consignee's Name and Address IMI SYSTEMS LTD 64 BIALIK BLVD RAMAT HASHARON 47100, ISRAEL 515218436		Consignee's Account Number		Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity	
Issuing Carrier's Agent Name and City INTERGLOBAL FORWARDING SERVICES INC 1A COLONY ROAD JERSEY CITY, NJ 07305		Accounting Information FILE# 02FFAE24111563 FLT # 0732 SHP REF 27214249/81981903		DATE 27 MAR 24 BILL IMIISR	
Agent's IATA Code PMC #2747		Account No. 01-1-9839-0012/			
Airport of Departure (Addr. of First Carrier) and Requested Routing J.F.KENNEDY AIRPORT		Reference Number PREPARED BY LINA		Optional Shipping Information	
To TIV	By First Carrier C.A.L. CARGO AIR LIN	To USD	By X	To X	By X
Airport of Destination REN CURTIS AIRPORT		Requested Flight/Date 0732/27		Amount of Insurance XXX	
Handling Information DANGEROUS GOODS AS PER ASSOCIATED SHIPPER'S DECLARATION LOT # 020901 PO#27214249 SREF:81981903 OVERPACK USED P.O. BOX 7022, TEL AVIV, ISRAEL					
These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Ultimate destination ISRAEL				Diversion contrary to U.S. law prohibited	
No. of Pieces PCP	Gross Weight	Eq. Lb.	Commodity Item No.	Chargeable Weight	Rate
15	4111.3 K			4111.5	
ECCNS: 0A505.		10 (37X37X24) In		120 (37X37X36) In	
10 (37X37X11) In					
AES X20240320506209					
15	4111.3				
Prepaid		Weight Charge		Collect	
Valuation Charge					
Tax					
Total Other Charges Due Agent					
Total Other Charges Due Carrier					
1345.45					
Total Prepaid		Total Collect			
Currency Conversion Rates		CC Charges in Dest. Currency		20 MAR 2024 J.F.KENNEDY AIRPORT LINA PEREIRA	
				Executed on (date) at (place) Signature of Issuing Carrier or its Agent	
For Carriers Use only at Destination		Charges at Destination		Total Collect Charges	

ORIGINAL (FOR SHIPPER)

700-74144416



OLIN WINCHESTER, LLC
WINCHESTER INTERNATIONAL
EAST ALTON, ILLINOIS 62024-1273 U.S.A.

Page 1
Printed 02/29/2024

DUNS 081227882
Federal ID: 82-3364878 QC Reg: 1222645910 (Repeat printout)

EXPORT COMMERCIAL INVOICE

(Factura Comercial De Exportacion)

SHIPMENT ORIGIN (Origen Del Embarque En EE. UU.)

East Alton, IL, US

INVOICE NO (Nro. De La Factura)	INVOICE DATE (Fecha Del Pedido)	CUST NO (Nro. Del Cliente)	CUST P O NO (Nro. Del Pedido)	ORDER DATE (Fecha Del Pedido)	OLIN REF. NO (Nro. De Ref. Olin)	OLIN DELIV. NO (Nro. De Entrega)
92287842	02/28/2024	15495	27214249	06/04/2023	1223743	81981903

BILL TO: (Facturado A)

IMI SYSTEMS LIMITED
PLANT 72
64 BIALIK BLVD
47100 RAMAT HASHARON
STATE OF ISRAEL

CONSIGNEE TO: (Consignando)

IMI SYSTEMS LIMITED
PLANT 72
64 BIALIK BLVD
47100 RAMAT HASHARON
STATE OF ISRAEL

INSURANCE: (Seguro)

INSURANCE BY TRUCK LINE

TERMS: (Condiciones De Pago)

NET 30 DAYS AND PAST DUE THEREAFTER

MARKS: (Marcas)

IMI SYSTEMS LIMITED
PLANT 72, 64 BIALIK BLVD
47100 RAMAT HASHARON, ISRAEL
P.O.#: 27214249 | WIN#: 1223743
MADE IN U.S.A.

BANK: (Banco)

SHIPPED VIA: (Embarcado Por)

WILL CALL PICK UP - Q&B PACKING

IMPORT LICENSE NO: (Nro. Del Permiso De Importacion)

QUANTITY (Cantidad)	MATERIAL (Materia)	DESCRIPTION (Descripcion)	UNIT PRICE (Precio PU)	AMOUNT (Valor)
------------------------	-----------------------	------------------------------	---------------------------	-------------------

CENTERFIRE PRIMERS-RIFLE (FULMINANTES DE FUEGO CENTRAL-RIFLES)

7,760,000.0 PC WMSRL 41 UNPLTD PARA RETAIL PRM CF LCAI

SUBTOTAL: 7,760,000 UNITS

TOTAL PRODUCT VALUE

USD



OLIN WINCHESTER, LLC
WINCHESTER INTERNATIONAL
EAST ALTON, ILLINOIS 62024-1273 U.S.A.

Page 2

(Repeat printout)

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92287842	02/28/2024	15495	27214249	06/04/2023	1223743	81981903

ABOVE PRICES ARE EXW, EAST ALTON, ILLINOIS USA (INCOTERMS 2020) WITH
SELLER TO LOAD CUSTOMER'S NOMINATED CARRIER

REMIT PAYMENT BY WIRE TRANSFER TO:

BANK OF AMERICA
OLIN WINCHESTER, LLC
CHICAGO, IL 60693
ABA # 111000012
ACCOUNT # 3751606802
SWIFT CODE: BOFAUS3NXXX

SCHEDULE B#: 9306.30.8000 (Q5608MGOI)

THIS CONTRACT SHALL BE GOVERNED BY, INTERPRETED, AND CONSTRUED IN
ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF
AMERICA, EXCEPT THAT THE UNITED NATIONS CONVENTION ON CONTRACTS FOR THE
INTERNATIONAL SALE OF GOODS SHALL NOT APPLY TO THIS CONTRACT.

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 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.

ALL ITEMS IN THIS SHIPMENT INCLUDE ECCN #0A605.X.

END-USER: ISRAEL DEFENSE FORCES

U.S. COMMERCE DEPT LICENSE NUMBER: D1209894

ITEMS SUBJECT TO THE EAR AND WITHIN THE SCOPE OF THIS LICENSE MAY NOT BE
RE-EXPORTED OR TRANSFERRED (IN-COUNTRY) UNLESS SUCH RE-EXPORT OR
IN-COUNTRY TRANSFER IS (i) AUTHORIZED BY THIS LICENSE, OR ANOTHER
LICENSE OR OTHER APPROVAL ISSUED BY THE U.S. GOVERNMENT; (ii) AUTHORIZED
BY A LICENSE EXCEPTION OR OTHER AUTHORIZATION UNDER THE EXPORT
ADMINISTRATION REGULATIONS (EAR); OR (iii) TO A DESTINATION, END USER,
AND END USE THAT WOULD BE "NLR" (NO LICENSE REQUIRED) UNDER THE EAR.

WE HEREBY CERTIFY THAT THE ABOVE INVOICE IS TRUE AND CORRECT IN ALL



OLIN WINCHESTER, LLC
WINCHESTER INTERNATIONAL
EAST ALTON, ILLINOIS 62024-1273 U.S.A.

Page 3

(Repeat printout)

EXPORT COMMERCIAL INVOICE

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92287842	02/28/2024	15495	27214249	06/04/2023	1223743	81981903

PARTICULARS.

OLIN WINCHESTER, LLC
WINCHESTER INTERNATIONAL

TRANSPORTATION DEPARTMENT

I, THE UNDERSIGNED, HERBY 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.

() THE EXPORTER (WHETHER THE EXPORTER IS THE
PRODUCER OR NOT.)

(X) THE PRODUCER (IS NOT THE EXPORTER.)

TAX IDENTIFICATION NO.: 82-3364878

NAME: ANITA HUBER

TITLE: CONTRACT MARKETING REPRESENTATIVE

EMAIL: ARHUBER@OLIN.COM

SIGNATURE: _____



Packing List



EAST ALTON, ILLINOIS 62024-1273

CUSTOMER NUMBER	CUSTOMER ORDER NO.	BILL OF LADING NO.	PACKING LIST NO.	DATE PACKED	PAGE NO.
0000015495	27214249	0985300	0081981903		1

Bill-To:
IMI SYSTEMS LIMITED
64 BIALIK BLVD

Ship-To:
IMI SYSTEMS LIMITED
64 BIALIK BLVD

RAMAT HASHARON 47100

RAMAT HASHARON 47100
PLANT 72

SHIP VIA: WCPU

PRODUCT IDENTIFICATION			PACKING DETAIL			SHIPPING DETAIL		B-L CLASS
DESCRIPTION	LOT NUMBER	SYMBOL	SHIPPING UNIT	NUMBER OF SHIPPING UNITS	NO. OF PIECES PER UNIT	TOTAL BOXES SHIPPED	TOTAL PIECES SHIPPED	
41 UNPLTD PARA RETAIL PRM CF	SEE BELOW	WMSRL	CS	1552	5000	77600	7760000	C1

GROSS WEIGHT OF THIS ORDER IN KILO = 3379
TOTAL NET CUBE IN FEET OF THIS ORDER = 296

LOT#'S

WLC24B002-794 = 950,000 PCS
WLC24A002-785 = 2,710,000 PCS
WLC24B002-796 = 4,100,000 PCS


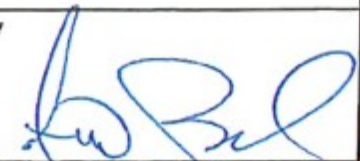
SHIPPING UNIT LEGEND BG= BAG BX= BOX CS= CASE DR= DRUM PL= PALLET PI= PIECE

FULL CASES THIS ORDER	1552	MIXED CASES THIS SHIPMENT	0	WEIGHT THIS ORDER EXCLUDING PALLETS	7,450
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Use Packing List

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

(Provide at least two copies to the airline)

Shipper IMI SYSTEMS PDS FREIGHT SERVICES 230-59 ROCKAWAY BLVD SPRINGFIELD GARDENS, NY 11413 USA		Air Waybill No. 700-7414-4416				
		Page 1 of 3 Pages				
		Shipper's Reference Number 50804 / 020901 (optional)				
Consignee IMI SYSTEMS LTD. 64 BIALIK BLVD. RAMAT, HASHARON 47100, ISRAEL		 powered by ShipHazmat.NET				
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 JFK, NEW YORK, USA				
<table border="1"><tr><td>PASSENGER AND CARGO AIRCRAFT</td><td>XXXXXXX XXXXXXX XXXXXXX ONLY XXXXXXX</td></tr></table>		PASSENGER AND CARGO AIRCRAFT	XXXXXXX XXXXXXX XXXXXXX ONLY XXXXXXX			
PASSENGER AND CARGO AIRCRAFT	XXXXXXX XXXXXXX XXXXXXX ONLY XXXXXXX					
Airport of Destination TEL-AVIV, ISRAEL		Shipment Type (delete non-applicable) NON-RADIOACTIVE RADIOACTIVE XXXX				
NATURE AND QUANTITY OF DANGEROUS GOODS						
Dangerous Goods Identification						
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Hazard)	Packing Group	Quantity and type of packing	Packing Inst.	Authorization
UN0044	Primers, cap type	1.4S		120 Fibreboard boxes x 1.04 kg NEW = 0.11 kg Overpack used x 11 #50804-01 - #50804-11 Total quantity per overpack 124.8 kg NEW = 13.20 kg	133	EX1987120142
UN0044	Primers, cap type	1.4S		100 Fibreboard boxes x 1.04 kg NEW = 0.11 kg Overpack used #50804-12 Total net quantity 104 kg NEW = 11.00 kg	133	EX1987120142
Additional Handling Information 24-Hour Emergency Contact Telephone Number: INT'L: +1-703-527-3887 / DOMESTIC: 1-800-424-9300 <u>Chemtrec CCN206451 PDS FREIGHT</u> 1,552 (4G) Fibreboard boxes in all OVER-PACKED onto 15 SKIDS for handling purposes. Competent Authority Approval "EX1987120142" attached based on request from Olin Winchester LLC (p/n WMSRL/ (Q5614MUIMI))						
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 labelled/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 of Signatory AL BEATRICE Date April 02, 2024 Signature (see warning above) 		

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

(Provide at least two copies to the airline)

Shipper
IME SYSTEMS
PDS FREIGHT SERVICES
230-59 ROCKAWAY BLVD
SPRINGFIELD GARDENS, NY 11413 USA

Air Waybill No.

700-7414-4416

Page 2 of 3 Pages

Shipper's Reference Number

50804 / 020901

(optional)

Consignee
IME SYSTEMS LTD.
64 BIALIK BLVD.
RAMAT, HASHARON 47100,
ISRAEL



powered by ShipHazardNET

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

TRANSPORT DETAILS

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

Airport of Departure
JFK, NEW YORK, USA

PASSENGER
AND CARGO
AIRCRAFT
XXXXXXXXXX
XXXXXXXXXX
ONLY
XXXXXXXXXX

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.

Airport of Destination TEL-AVIV, ISRAEL

Shipment Type (delete non-applicable)

NON-RADIOACTIVE

XXXXXXXXXX

NATURE AND QUANTITY OF DANGEROUS GOODS

Dangerous Goods Identification

UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Hazard)	Pack- ing Group	Quantity and type of packing	Packing Inst.	Authorization
UN0044	Primers, cap type	1.4S		62 Fibreboard boxes x 1.04 kg NEW = 0.11 kg / Overpack used 50804-13 Total net quantity 64.48 kg NEW = 6.82 kg	133	EX1987120142
UN0044	Primers, cap type	1.4S		50 Fibreboard boxes x 1.04 kg NEW = 0.11 kg Overpack used #50804-14 Total net quantity 52 kg NEW = 5.50 kg	133	EX1987120142

Additional Handling Information

24-Hour Emergency Contact Telephone Number: INT'L: +1-703-527-3887 / DOMESTIC: 1-800-424-9300

Chemtrec CCN206451 PDS FREIGHT

1,552 (4G) Fibreboard boxes in all OVER-PACKED onto 15 SKIDS for handling purposes.

Competent Authority Approval "EX1987120142" attached based on request from Olin Winchester LLC (p/n WMSRL/
(Q5614MUIMI))

I hereby declare that the contents of this consignment are fully and
accurately described above by the proper shipping name, and are
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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 of Signatory
AL BEATRICE

Date
April 02, 2024

Signature
(see warning above)

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

(Provide at least two copies to the airline)

Shipper IMI SYSTEMS PDS FREIGHT SERVICES 230-59 ROCKAWAY BLVD SPRINGFIELD GARDENS, NY 11413 USA		Air Waybill No. 700-7414-4416				
Consignee IMI SYSTEMS LTD. 64 BIALIK BLVD. RAMAT, HASHARON 47100, ISRAEL		Page 3 of 3 Pages Shipper's Reference Number 50804 / 020901 (optional)  powered by ShipHazard.NET				
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) <table border="1"><tr><td>PASSENGER AND CARGO AIRCRAFT</td><td>XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX</td></tr></table>		PASSENGER AND CARGO AIRCRAFT	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX	Airport of Departure JFK, NEW YORK, USA		
PASSENGER AND CARGO AIRCRAFT	XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX					
Airport of Destination TEL-AVIV, ISRAEL		Shipment Type (delete non-applicable) NON-RADIOACTIVE RADIOACTIVE				
NATURE AND QUANTITY OF DANGEROUS GOODS						
Dangerous Goods Identification						
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Hazard)	Packing Group	Quantity and type of packing	Packing Inst.	Authorization
UN0044	Primers, cap type	1.4S		20 Fibreboard boxes x 1.04 kg NEW = 0.11 kg Overpack used #50804-15 Total net quantity 20.8 kg NEW = 2.20 kg	133	EX1987120142
Additional Handling Information 24-Hour Emergency Contact Telephone Number: INT'L: +1-703-527-3887 / DOMESTIC: 1-800-424-9300 <u>Chemtrec CCN206451 PDS FREIGHT</u> 1,552 (4G) Fibreboard boxes in all OVER-PACKED onto 15 SKIDS for handling purposes. Competent Authority Approval "EX1987120142" attached based on request from Olin Winchester LLC (p/n WMSRL/ Q5614MUIMI) 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 labelled/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 of Signatory AL BEATRICE Date April 02, 2024 Signature (see warning above)		



U.S. Department
of Transportation

Pipeline and Hazardous
Materials Safety Administration

The US Department of Transportation
Competent Authority for the United States

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

CLASSIFICATION OF EXPLOSIVES
FIFTH REVISION

Based upon a request by Olin Winchester, LLC, 600 Powder Mill Rd, East Alton, IL 62024-1273, US, 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.

An EX approval is non-transferable in any merger, acquisition, sale of assets, or other business transaction. For more information, please visit:
[<https://www.phmsa.dot.gov/registration/faq-mergers-acquisitions-and-legal-status-changes-pdf>]

U.N. PROPER SHIPPING NAME AND NUMBER:

Primers, cap type, UN0044

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER:

EX1987120142

PRODUCT DESIGNATION/PART NUMBER:

P-7217-4 (D/N: P-7217-4, Rev P) (Q5608M,
Q5603M, Q5613M, MQ5585M, Q5606M,
Q5614MU, Q5614MUIMI, Q5614MUGOI),
P-7217-35

NOTES: This classification is only valid when the cap-type primers are packaged as follows:

Inner Packaging - Trays, plastic with recessed cavities and fiberboard or plastic sleeve covers, each containing not more than one hundred (100) primers in a uniform segregated array.

Intermediate Packaging - Boxes, cardboard, each containing not more than ten (10) inner packagings.

Outer Packaging - UN 4G fiberboard box, each containing not more than five (5) intermediate packagings.

This revision supersedes all previous revisions.

DATED: May 29, 2019

for William Schoonover

Associate Administrator for Hazardous Materials Safety



SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Standard JIS Z 7250:2000, and EU REACH Regulations

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PRIMERS – CENTERFIRE

CAS Number: Mixture – Metal Alloy

Synonyms: #1 ½, 108, WSP, #1 ½ M, 108H, WSPM, #6 ½, 116, WSR, 116M-282A, #7, 111, WLP, #8 ½, 120, WLR, #8 ½ M, 120H, WLRM, #34 Primer, #41 Primer, 50 Cal Primer, M29A1C Primer, M35C Primer, M42C1 Primer, WMGSP, WMGLP, WMGSR, WMGLR.

Product Use: Small Arms Ammunition Primer

U.N. Number: UN 0044; UN 0378

U.N. Dangerous Goods Class: Explosive, 1.4S; Explosive, 1.4B

Manufacturer/Responsible Party: Olin Winchester, LLC

Manufacturers' Address: 600 Powder Mill Road, East Alton, IL 62024 www.winchester.com

Emergency Telephone Number: US/Canada: 1-800-424-9300
Outside US/Canada: 703-527-3887

SDS Control Group: 618-258-3507 (Technical Information Only)

Olin SDS No.: 00060.0001

Issue Date: 6/1/15

Revision Date: 01/04/2022

Revision No.: 7

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: EXPLOSIVE. KEEP AWAY FROM HEAT. DO NOT SUBJECT TO MECHANICAL SHOCK. PARTICLES FROM FIRING MAY BE HARMFUL IF INHALED. DO NOT TAKE INTERNALLY.

US DOT SYMBOLS

CANADA (WHMIS) SYMBOLS

GHS HAZARD SYMBOLS

This Product is not subject to WHMIS

Class 6 Explosive



GHS Classifications:

Explosive Division 1.4
STOT RE Category 1
Carcinogenicity Category 1A
Reproductive Toxicity Category 1A
Aquatic Environment, Chronic II

Signal Word:

Danger

Hazard Statements :

H204: Fire or projection hazard
H372: Causes damage to nervous system, kidney, and hematopoietic system through prolonged or repeated exposure
H360: May damage fertility or the unborn child
H411: Toxic to aquatic life with long lasting effects

Target organs:

Nervous, renal and hematopoietic systems

Precautionary Statements:

P102: Keep out of reach of children
P210: Keep away from heat/sparks/open flame/hot surfaces – No smoking
P240: Ground container and receiving equipment
P250: Do not subject to shock/impact/excessive force/friction/static electricity/mishandling
P260: Do not breathe dust
P264: Wash hands thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P271: Use only outdoors or in a well-ventilated area
P273: Avoid release to the environment
P280: Wear eye protection
P370+P380: In case of fire: Evacuate area
[if 1.4B] P373: Do NOT fight fire when fire reaches explosives
[if 1.4S] P374: Fight fire with normal precautions from a reasonable distance
P410: Store in accordance with local regulations
P501: Dispose of contents in accordance with local regulations

GHS Pictograms:

Explosive; Pictogram: exploding bomb
Specific Target Organ Toxicity; Pictogram Code: GHS08
Environment; Pictogram Code: GHS09

EU Classifications:**Hazard Symbols****Risk Phrases**

E, T, N

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

R45 (Category 1): May cause cancer

R48: Danger of serious damage to health by prolonged exposure

R60: May impair fertility

R63: Possible risk of harm to the unborn child

R51/53: Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment

Safety Phrases

S2: Keep out of reach of children

S15: Keep away from heat

S20/21: When using do not eat, drink or smoke

S39: Wear eye/face protection

S43: In case of fire, use Class A equipment

S51: Use only in well-ventilated areas

S61: Avoid release to the environment

Health Hazards or Risks From Exposure

This product is composed of a metal capsule which contains the various components completely sealed within. Therefore, under normal handling of this product, no exposure to any harmful materials will occur. When the product is fired, a small amount of particles may be generated which may be slightly irritating to the eyes and the respiratory tract. The particles may contain trace amounts of these harmful substances:

Lead: Ingestion of large amounts of lead can cause abdominal pain, constipation, cramps, nausea and/or vomiting. Chronic exposure to lead can cause kidney damage, anemia, reproductive effects, developmental effects and permanent nervous system damage in humans including changes in cognitive function. Occupational exposure to lead is associated with lung and stomach cancer. Lead is classified as a probable human carcinogen.

Copper: Inhalation of high concentrations of metallic copper dusts or fumes may cause nasal irritation and/or nausea, vomiting and stomach pain.

Antimony sulfide: Inhalation of high concentrations may cause dizziness, headache, and nausea. Workers chronically exposed to high concentrations of antimony sulfide have developed heart and blood effects.

Barium nitrate: Ingestion of large doses of soluble barium compounds can cause cyanosis, skeletal muscle paralysis, respiratory arrest, irregular heartbeat and hypertension.

It is unlikely that the amount of particles that someone would be exposed to from firing would be sufficient to cause any of these effects.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	% By Weight	CAS Number	EINECS/ ELINCS #
Copper	55 - 96	7440-50-8	231-159-6
Zinc	10 - 55	7440-66-6	231-175-3
Lead styphnate	4 - 5	15245-44-0	239-290-0
Barium nitrate	3 - 3.5	10022-31-8	233-020-5
Antimony sulfide	1 - 5	1345-04-6	215-713-4
Lead thiocyanate	0 - 0.6	592-87-0	209-774-6

4. FIRST AID MEASURES**Eye Contact:**

Immediately flush out fume or particles with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If eye irritation develops, call a physician at once.

Skin Contact:

Wash skin with plenty of soap and water.

Inhalation:

If symptoms of lung irritation occur (coughing, wheezing or breathing difficulty), remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep affected person warm and at rest. Get medical attention.

Ingestion:

If ingested, immediately call a physician.

Medical Conditions Aggravated By Exposure:

There are no medical conditions known to be aggravated by exposure to this product in its solid form. Exposure to lead can aggravate anemia, cardiovascular and respiratory disease.

Recommendations To Physicians:

Remove from exposure, if possible, and treat symptoms

5. FIRE FIGHTING MEASURES

PROPERTY	VALUE	PROPERTY	VALUE
Explosive	Yes	Flammable	Not applicable
Combustible	Not applicable	Pyrophoric	No
Flash Point (°C):	Not applicable	Burning Rate of Material:	Not applicable
Lower Explosive Limit:	Not applicable	Autoignition Temp.:	No data
Upper Explosive Limit:	Not applicable	Flammability Classification: (defined by 29 CFR 1910.1200)	Explosive

Unusual Fire and Explosion Hazards:Extinguishing Media:Special Firefighting Procedures:

Possible projection hazard.

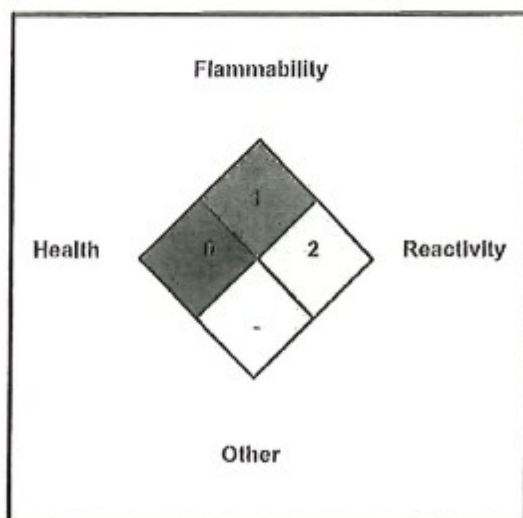
Flood area with water. If no water is available, carbon dioxide, dry chemical or earth may be used.

Do not fight fire when fire reaches cargo. Cargo may explode.

Firefighters must wear self-contained breathing apparatus (SCBA) and full protective equipment. Structural firefighters' protective clothing will provide protection.

Isolate materials not yet involved in the fire. Move containers from fire area if possible; otherwise, cool with carefully applied water spray.

Prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas, if practical.

NFPA RATING SYSTEM**HMIS RATING SYSTEM**

HEALTH HAZARD (BLUE)		0*
FLAMMABILITY/HAZARD (RED)		1
PHYSICAL HAZARD (YELLOW)		2
PROTECTIVE EQUIPMENT		
EYES	PPE CODE	RESPIRATORY HEARING
	A	See Sect 8 See Sect 8

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

6. ACCIDENTAL RELEASE MEASURES

FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC AT 800-424-9300.

Spill Response:

A spill of this material will normally not require emergency response team capabilities. If, however, a large spill occurs, call 1-888-289-1911 for technical assistance.

Accidental Release Procedures:

Spills of this material should be handled carefully. Do not subject materials to mechanical shock. Collect material and place in a designated, labeled waste container. See Section 13 for waste disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Use appropriate personal protective equipment (see Section 8). Workers should wash hands thoroughly after handling. Eating, drinking and smoking should be prohibited in areas where this material is handled and stored.

Conditions for Safe Storage:

Store in accordance with local regulations. Store in original containers in a cool, dry location away from Acids, Class A & B explosives, strong oxidizers, and caustics. Avoid mechanical impact or shock and electrical discharge.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

CAS #	CHEMICAL NAME	ACGIH TLV	OSHA PEL	INTERNATIONAL OELS
7440-50-8	Copper	0.2 mg/m ³ (fume), 1 mg/m ³ (dusts and mists)	0.1 mg/m ³ (fume) 1 mg/m ³ (dusts and mists)	Austria, Belgium, Canada: 0.2 mg/m ³ (fumes), 1 mg/m ³ (dusts) Denmark: 1.0 mg/m ³ (dust and powder) Germany (MAK): 0.1 mg/m ³ (fume), 1 mg/m ³ (dusts and mists)
7440-66-6	Zinc	None established	None established	None established
15245-44-0	Lead styphnate	None established	None established	None established
10022-31-8	Barium nitrate	0.5 mg/m ³	0.5 mg/m ³	Germany (MAK): 0.5 mg/m ³ (I), Peak = II (2) Austria, Belgium, Denmark, Finland, Hungary, Netherlands, Poland, Switzerland, U.K.: 0.5 mg/m ³
1345-04-6	Antimony sulfide	0.5 mg/m ³	0.5 mg/m ³	Austria, Belgium, Denmark, France, Finland, Germany, Hungary, Netherlands, Norway, Poland, Sweden, UK: 0.5 mg/m ³
592-87-0	Lead thiocyanate	None established	None established	None established

Engineering Controls:

Local exhaust ventilation is recommended if significant dusting occurs or fumes are generated. Otherwise, use general exhaust ventilation.

Respiratory Protection:

Not normally needed. Maintain airborne contaminant concentrations below guidelines listed above. Use an appropriate approved air-purifying respirator equipped with HEPA cartridges/canisters where there is the potential for exceeding established occupational exposure limits.

Eye/Face Protection:

Use safety glasses.

Hand Protection:

Not normally needed.

Skin Protection:

Not normally needed.

Hearing Protection:

Not normally needed. During firing use hearing protection.

General Hygiene:

Do not eat, drink, or smoke while using this product. Wash hands thoroughly after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	VALUE	PROPERTY	VALUE
Appearance:	Brass cup assembly	Physical State:	Solid
Odor:	None	Odor Threshold:	None
Boiling Point (°F):	Not applicable	Melting point:	Not applicable
Vapor Pressure (mm Hg):	Not applicable	Freezing point:	Not applicable
Vapor Density (air = 1):	Not applicable	Bulk Density:	Not applicable
Specific gravity (g/cc):	Not applicable	Viscosity (cps):	Not applicable
pH:	Not applicable	Decomposition Temperature:	82°C (180°F)
Solubility in Water (20 °C):	Insoluble	Evaporation Rate:	Not applicable
Volatiles, Percent by volume:	Not applicable	Octanol/water partition coefficient:	Not applicable

10. STABILITY AND REACTIVITYStability:

Stable under normal temperatures and pressure.

Possibility of Hazardous Reactions:

Hazardous polymerization will not occur

Incompatible Materials:

Acids, Class A & B explosives, strong oxidizers, caustics and ammonia

Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, lead oxides, carbon dioxide, lead dust/fume

Conditions to Avoid:

Will detonate with mechanical impact or shock; avoid physical damage (puncture) of containers. Avoid contact with incompatible materials.

11. TOXICOLOGICAL INFORMATIONPotential Routes of Entry: Inhalation, Skin, and by Ingestion.

The physical nature of this product makes absorption from any route unlikely. A small amount of inhalable particles may be created when cartridge is fired.

Effects Of Acute Exposure:

PRODUCT		COMPONENTS					
		Lead slyphnate	Lead thiocyanate	Barium nitrate	Antimony sulfide	Copper	Zinc
Inhalation LC ₅₀	Particles generated from firing may be slightly toxic	No data	No data	No data	No data	No data	No data
Skin Contact LD ₅₀	Skin absorption unlikely	No data	No data	No data	>139 mg/kg, sc	375 mg/kg, sc (rabbit)	No data
Ingestion LD ₅₀	Ingestion unlikely	No data	No data	355 g/kg (rat)	209 mg/kg, ip (mouse)	3.5 mg/kg, ip (mouse)	No data
Irritation	Particles generated from firing may be slightly irritating to the eyes	No data	No data	Eye and skin irritant	Eye, skin and respiratory irritant	Respiratory irritant	Eye irritant
Sensitization	Sensitization to this Product has not been reported	No data	No data	No data	No data	No data	No data

Other Adverse Effects:Target Organ Toxicity:

No reported target organ toxicity from this product. Lead has caused nervous system, kidney and hematopoietic system damage in humans and laboratory animals.

Reproductive Toxicity:

This product is not known or reported to cause reproductive effects. Lead has been shown to reduce male reproductive function in humans and laboratory animals.

Teratogenicity (Birth Defects):

This product is not known or reported to cause developmental toxicity. Lead has been shown to affect fetal development including birth defects.

Mutagenicity:

This product is not known or reported to be mutagenic. Lead has been shown to be mutagenic in several *in vitro* assays.

Carcinogenicity:

IARC and US EPA list lead and lead compounds as probable human carcinogens (Group 2A) based on sufficient evidence from animal studies and limited evidence from human studies (epidemiology). NTP classifies lead and lead compounds as reasonably anticipated to be human carcinogens.

12. ECOLOGICAL INFORMATIONEnvironmental Effects:

PRODUCT: Product has not been tested for environmental properties.

COMPONENTS:Copper:

Copper concentrations from 0.1 to 1.0 mg/l have been found to be not toxic for most fish. However, concentrations of 0.015 to 3.0 mg/l have been reported as toxic, particularly in soft water to many kinds of fish, crustacea, mollusks, insects, and plankton.

Lead:

LC 50 (48 hrs.) to bluegill is reported to be 2-5 mg/l. Lead is toxic to waterfowl.

Zinc:

The following concentrations of zinc have been reported as lethal to fish: 0.13 mg/l, for 12 – 24 hours to Rainbow trout fingerlings; 1.9 – 3.6 mg/l, 6 hr TLM (soft water, 30°C) to Bluegill Sunfish; 4 mg/l, 3 days (hard water) to Rainbow trout; 1 mg/l, 24 hours (soft water) to Sticklebacks.

The presence of copper appears to have a synergistic effect on the toxicity of zinc towards fish.

Environmental Fate:

MOBILITY:

Released lead may migrate through soil.

PERSISTENCE/DEGRADABILITY:

Not biodegradable. Released lead may accumulate.

BIOACCUMULATION:

No data

13. DISPOSAL CONSIDERATIONS

Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding the treatment, storage and disposal for hazardous and nonhazardous wastes.

14. TRANSPORT INFORMATIONRegulatory Information for US DOT, IATA, IMO, and ADR:Proper Shipping Name:

Primers, Cap Type

Hazard Class Number and Description:

Explosive 1.4S or 1.4B

UN Identification Number:

UN 0044 or UN 0378

Packing Group:

PGII

DOT Label(s) Required:

Explosive 1.4

Marine Pollutant:

None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

Additional Information:

North American Emergency Response Guidebook Number (2004): 114

U.S. DEPARTMENT OF TRANSPORTATION SHIPPING REGULATIONS: This product is classified as dangerous goods under 49 CFR 172.101. Note: May be reclassified domestically as an ORM-D if packaged as a consumer commodity per 49 CFR 173.

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: This product is classified as Dangerous Goods.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA): This product is classified as Dangerous Goods.

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION: This product is classified as Dangerous Goods.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR): This product is classified by the United Nations Economic Commission for Europe to be dangerous goods.

15. REGULATORY INFORMATION

US FEDERAL

TSCA	The components of this product are listed on the Toxic Substance Control Act Inventory.				
CERCLA:	Antimony, R.Q.* = 5000 lbs.; Copper, R.Q. = 5000 lbs.; Zinc, R.Q. = 1000 lbs.; Lead thiocyanate, R.Q. = 10 lbs. (No reporting is required if diameter of the pieces of metal is equal to or exceeds 100 micrometers (0.004 inches)).				
SARA 313:	Antimony compounds, Barium compounds, Copper, Lead and Lead compounds, Zinc (fume or dust)				
SARA 311/312:	<u>Health:</u>	Acute -- No Chronic - No	<u>Fire:</u> No	<u>Reactivity:</u> None	<u>Release of Pressure:</u> Yes
SARA 302 EHS List:	None of the components of this product are listed.				

*RQ = Reportable Quantity

STATE RIGHT-TO-KNOW STATUS

Component	California	New Jersey	Pennsylvania	Massachusetts	Michigan
Copper	Not listed	X	X	X	X
Zinc	Not listed	X	Not listed	X	X
Antimony sulfide	Not listed	Not listed	Not listed	Not listed	Not listed
Barium nitrate	Not listed	Not listed	X	X	Not listed
Lead thiocyanate	X	Not listed	Not listed	X	Not listed
Lead styphnate	X	Not listed	Not listed	X	Not listed

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65)

Warning! This product contains detectable amounts of a chemical known to the State of California to cause cancer and/or birth defects or other reproductive harm.

GHS CLASSIFICATION

Explosive Division 1.4
 STOT RE Category 1
 Carcinogenicity Category 1A
 Reproductive Toxicity Category 1A
 Aquatic Environment, Chronic II

EUROPEAN REGULATIONS

Hazard Classification

Danger Symbols: E, T, N

Risk Phrases: R2, R48, R60, R63, R51/53

Safety Phrases: S2, S15, S20/21, S22, S39, S51, S61

German WGK Classification: Not known.

CANADIAN REGULATIONS

DSL/NDSL Inventory: The components of this product are on the DSL

IDL: Antimony compounds, Barium nitrate, Copper

CEPA PRIORITIES LIST: None of the components of this product are listed

WHMIS: This product is not subject to WHMIS. It is regulated as a Class 6 Explosive in Canada.

JAPANESE REGULATIONS

Existing National Inventory of Chemical Substances (ENCS): The components of this product are listed

Japanese Priority Assessment Chemical Substances: None of the components of this product are listed

OTHER INTERNATIONAL CHEMICAL INVENTORIES

Swiss Giftliste List of Toxic Substances: All Components Listed

Australian Inventory (AICS): All Components Listed

16. OTHER INFORMATION

REVISIONS: 06

DATE: 01/04/2022

PREPARED BY: Olin Winchester, LLC

OTHER: Additional information available from: www.winchester.com

NOTICE: THE INFORMATION IN THIS SDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. OLIN BELIEVES THIS INFORMATION TO BE RELIABLE AND CURRENT AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS.