



Shipper's Name and Address EXPRESS AIR FREIGHT 147-20 184TH STREET SPRINGFIELD GARDENS, NY 11413 USA		Shipper's Account Number EXJFK001		Non Negotiable Air Waybill		C.A.L. CARGO AIRLINES LTD. C/O HERMES AVIATION 5456 MCCONNELL AVE. LOS ANGELES, CA 90066	
Consignee's Name and Address DHL GLOBAL FORWARDING ISRAEL LTD. RAKEFET 2 ST NORTH INDUSTRIAL AREA, SHOHAM 6083706, ISRAEL TEL: 972-3-9719047		Consignee's Account Number		It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. ALL GOODS MAY BE CARRIED BY ANY OTHER MEANS INCLUDING ROAD OR ANY OTHER CARRIER UNLESS SPECIFIC CONTRARY INSTRUCTIONS ARE GIVEN HEREON BY THE SHIPPER, AND SHIPPER AGREES THAT THE SHIPMENT MAY BE CARRIED VIA INTERMEDIATE STOPPING PLACES WHICH THE CARRIER DEEMS APPROPRIATE. THE SHIPPER'S ATTENTION IS DRAWN TO THE NOTICE CONCERNING CARRIER'S LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.			
Issuing Carrier's Agent and City EXPRESS AIR FREIGHT UNLTD 147-20 184TH STREET JAMAICA, NY 11413 U.S.A.		Accounting Information TSA: EA9401007					
Agent's IATA Code 0119560/0011		Account No.					
Airport of Departure (Add. of First Carrier) and Requested Routing JFK NEW YORK				Reference JFK32-02044771		Optional Shipping Information	
To LGG	By First Carrier (Routing and Destination) 5C	to TLV	by 5C	Currency USD	WT/VOL X	Other X	Declared Value for Carriage NVD
Airport of Destination TEL AVIV		Requested Flight Date HQ732/02		Amount of Insurance XXX		INSURANCE - If carrier offers insurance, and such insurance is requested in accordance with the conditions thereof, indicate amount to be insured in figures in box marked "Amount of Insurance".	
Handling Information DANGEROUS GOODS AS PER ASSOCIATED SHIPPER'S DECLARATION PASSENGER OK KNOWN SHIPPER //UNSCREENED CARGO							SCI
These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations, Division contrary to U.S. Law Prohibited.							ISRAEL
No. of Pieces PCP	Gross Weight kg	Rate Class Commodity Item No.	Chargeable Weight	Rate Charge	Total	Nature and Quantity of Goods (incl. Dimensions or Volume)	
24	334 K		334		AS AGREED	CONSOLIDATED CARGO AS PER ATTACHED MANIFEST 8 @ 14 X 14 X 11 CM 3 @ 23 X 14 X 11 CM 13 @ 13 X 13 X 16 CM	
SHIPPER'S TAX ID: 11-3020733 PACKAGE TYPE: PCS-PIECES							
24	334				0.00	7415-7311	
Prepaid AS AGREED		Weight Charge		Collect		Other Charges	
Valuation Charge							
Tax							
Total Other Charges Due Agent						Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains dangerous goods, such part is properly described by name and is in proper condition for carriage by air according to the applicable Dangerous Goods Regulations.	
Total Other Charges Due Carrier						EXPRESS AIR FREIGHT UNLTD AS AGENTS FOR SHIPPER JN	
Prepaid		Collect				Signature of Shipper or its Agent	
Currency Conversion Rates		CC Charges in Dest. Currency				EXPRESS AIR FREIGHT UNLTD AS AGENTS FOR C.A.L. CARGO AIRLINES LTD.	
For Carrier's Use only at Destination		Charges at Destination		Total Collect Charges		05/01/2024 JFK, NEW YORK	
						Executed on (date) at (place) Signature of Issuing Carrier or its Agent	

JFK

JFK32-02044772



JFK32-02044772

Shipper's Name and Address HANLEY INDUSTRIES INC 3640 SEMINARY ROAD ALTON, IL 62002		Shipper's Account Number		Non Negotiable Air Waybill		EXPRESS AIR FREIGHT UNLTD 147-20 184TH STREET JAMAICA, NY 11413 U.S.A.	
Consignee's Name and Address RESHEF TECHNOLOGIES LTD 7 HAPLADA STREET OR-YEHUDA 60256		Consignee's Account Number		It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF. ALL GOODS MAY BE CARRIED BY ANY OTHER MEANS INCLUDING ROAD OR ANY OTHER CARRIER UNLESS SPECIFIC CONTRARY INSTRUCTIONS ARE GIVEN HEREON BY THE SHIPPER, AND SHIPPER AGREES THAT THE SHIPMENT MAY BE CARRIED VIA INTERMEDIATE STOPPING PLACES WHICH THE CARRIER DEEMS APPROPRIATE. THE SHIPPER'S ATTENTION IS DRAWN TO THE NOTICE CONCERNING CARRIER'S LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.			
Issuing Carrier's Agent and City EXPRESS AIR FREIGHT UNLTD 147-20 184TH STREET JAMAICA, NY 11413 U.S.A.				Accounting Information MAWB: 700 7415-7311 TSA: EA9401007			
Agent's IATA Code 0119560/0011		Account No.					
Airport of Departure (Add. of First Carrier) and Requested Routing JFK NEW YORK				Reference JFK32-02044772		Optional Shipping Information	
To LGG	By First Carrier (Routing and Destination) 5C	to TLV	by 5C	to	by	Currency USD	Declared Value for Carriage NVD
Airport of Destination TEL AVIV		Requested Flight/Date HQ732/02		Amount of Insurance XXX		Declared Value for Customs NCV	
Handling Information DANGEROUS GOODS AS PER ASSOCIATED SHIPPER'S DECLARATION PASSENGER OK DHL				SC!			
These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. Law Prohibited. ISRAEL							
No. of Pieces RCP	Gross Weight	kg lb	Rate Class Commodity Item No.	Chargeable Weight	Rate	Charge	Total
24	334 K			334			AS AGREED
PACKAGE TYPE: PCS-PIECES							
24	334						AS AGREED
Prepaid Weight Charge Collect				Other Charges			
AS AGREED							
Valuation Charge							
Tax							
Total Other Charges Due Agent				Shipper certifies that the particulars on the face hereof are correct and that insofar as any part of the consignment contains dangerous goods, such part is properly described by name and is in proper condition for carriage by air according to the applicable Dangerous Goods Regulations.			
Total Other Charges Due Carrier				EXPRESS AIR FREIGHT UNLTD AS AGENTS FOR SHIPPER JN			
Prepaid Collect				Signature of Shipper or his Agent			
EXPRESS AIR FREIGHT UNLTD AS AGENTS FOR C.A.L. CARGO AIRLINES LTD.							
Currency Conversion Rates		CC Charges in Dest, Currency		05/01/2024		JFK, NEW YORK	
For Carrier's Use only at Destination		Charges at Destination		Total Collect Charges		Signature of Issuing Carrier or its Agent	

JFK32-02044772

-- AIR CARGO MANIFEST --

CONSOL #
JFK32-02044771

DECONSOLIDATOR
DHL GLOBAL FORWARDING ISRAEL LTD.
RAKEFET 2 ST
NORTH INDUSTRIAL AREA,
SHOHAM 6083706, ISRAEL
TEL: 972-3-9719047

CONSOLIDATOR
EXPRESS AIR FREIGHT
147-20 184TH STREET
SPRINGFIELD GARDENS, NY 11413

E.T.A.
04 MAY 24

AIRPORT OF ARRIVAL
TEL AVIV

AIRPORT OF DEPARTURE
JFK NEW YORK

FLIGHT DATE
1. HQ732 02 MAY 24
2. CHG500 03 MAY 24

MAWB
700 74157311

HAWB	PCS	WEIGHT	NATURE OF GOODS	FINAL DESTINATION	SHIPPER	CONSIGNEE
JFK32-02044772	24	334K	PARTS FOR BOMBS, GRENADES, TORPEDOS, MINES, AND SIMILAR MUNITIONS OF WAR	ISRAEL	HANLEY INDUSTRIES INC 3640 SEMINARY ROAD ALTON, IL 62002	RESHEF TECHNOLOGIES LTD 7 HAPLADA STREET OR-YEHUDA 60256

AES ITN - VALUE \$2500 OR GREATER

* TOTALS * 24 334K

Hanley Industries Inc

3640 Seminary Road
P.O. Box 1058
Alton, IL 62002

Voice: 618-465-8892
Fax: 618-465-3195

INVOICE

Invoice Number: 8718
Invoice Date: Apr 4, 2024
Page: 1
Duplicate

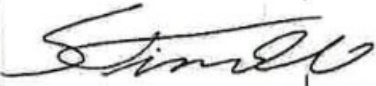
Bill To:

Reshef Technologies Ltd.
7 Haplada St.
Or-Yehuda
Israel

Ship to:

Reshef Technologies Ltd.
7 Haplada St.
Or-Yehuda
Israel

Customer ID		Customer PO		Payment Terms	
Reshef		PO22000096		COD	
Sales Rep ID		Shipping Method		Ship Date	Due Date
		CIF TEL AVIV			4/4/24

Quantity	Item	Description	Unit Price	Amount
40,000.00		Line 14: Electric Detonator P/N 11722405 Rev N1 Reshef P/N 146-01190 Rev I Lot HYT23B001-037		
40,000.00		Line 29: Lead Charge PA508 Reshef P/N 146-63502 Lot HYT23C001-027		
25,600.00		Line 42: Piston Actuator P/N 146-01191 Rev H/ HYT-172-00500 Rev A Lot HYT23E001-045		
<p>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 of the Establishment of a Free Trade Area between the government of Israel and the Government of the United States of America.</p> <p>X The Exporter (whether the exporter is the producer or not) The Producer (is not the exporter)</p> <p>Tax Identification: 43-0736751 Name/Title: Scott Tindall, Programs Manager E-mail: stindall@hanleyindustries.com Signature: </p>				

Check/Credit Memo No:

Subtotal
Sales Tax
Total Invoice Amount
Payment/Credit Applied
TOTAL

Hanley Industries - Current

3640 Seminary Road
P.O. Box 1058
Alton, IL 62002

Voice: 618-465-8892

Fax: 618-465-3195

INVOICE

Invoice Number: 8675-2

Invoice Date: Dec 29, 2023

Page: 1

Duplicate


Bill To:

Reshef Technologies Ltd.
7 Haplada St.
Or-Yehuda
Israel

Ship to:

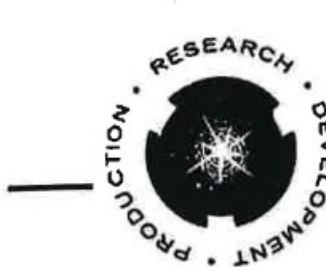
Reshef Technologies Ltd.
7 Haplada St.
Or-Yehuda
Israel

Customer ID	Customer PO	Payment Terms	
Reshef	PO23000039	Prepaid	
Sales Rep ID	Shipping Method	Ship Date	Due Date
	CIF TEL AVIV		12/29/23

Quantity	Item	Description	Unit Price	Amount
1,000.00		Line 3: 88767 Lead Charge PBXN-5 moved ship date from 11/2		
<p>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 of the Establishment of a Free Trade Area between the government of Israel and the Government of the United States of America.</p> <p>X The Exporter (whether the exporter is the producer or not) The Producer (is not the exporter)</p> <p>Tax Identification: 43-0736751 Name/Title: Scott Tindall, Programs Manager E-mail: stindall@hanleyindustries.com Signature: </p>				

Subtotal
Sales Tax
Total Invoice Amount
Payment/Credit Applied
TOTAL

Check/Credit Memo No:



HANLEY
INDUSTRIES, INCORPORATED

P.O. BOX 1058 • 3640 SEMINARY ROAD
ALTON, ILLINOIS 62002 • (518)465-8892 • FAX (518)465-3195

PACKING LIST

SHIPPING DATE APRIL 9, 2024 PACK LIST NO 9778

SHIPPED BY: EXPRESS AIR FREIGHT

SHIPPED TO: Reshef Technologies Ltd
17 Hagana St.
Or-Yehuda 6023201
Israel

<u>CUSTOMER P.O.</u>	<u>GOV'T CONTRACT NOMENCLATURE</u>	<u>HANLEY JOB</u>	<u>GROSS WT</u>	<u>QTY</u>
23000039		11240	201 LBS	3 PIPE BOXES
				1,000 PCS
1. PBXN-5 PELLETS for RESHEF P/N 88767				

3 - PIPE BOXES
Net Wt. 0.0266 kg
N.E.W. 0.025 kg
Gross Wt. 67 lbs

JAMIE GEISEN
SHIPPING COORDINATOR

DATE: 4.9.24

WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTION 6,7, AND 12 OF THE FAIR LABOR STANDARDS ACT AS AMENDED, AND OF THE REGULATIONS ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 OF THEREOF.
IN THE EVENT OF ANY OF THESE ITEMS ARE RE-SHIPED, THE INTRASTATE COMMERCE COMMISSION AND DEPARTMENT OF TRANSPORTATION CLASSIFICATION AND REGULATIONS WILL DEPEND ON THE EXACT METHODS AND WILL NOT BE THE RESPONSIBILITY OF HANLEY INDUSTRIES, INC.
FOA OF LISTED ITEMS HAS BEEN MADE BY ME OR UNDER MY SUPERVISION AND THEY CONFORM TO CONTRACT EXCEPT AS NOTED HEREIN ON SUPPORTING DOCUMENTS.

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper

Hanley Industries, Inc
3640 Seminary Rd
Alton, IL 62002 USA

Air Waybill No.

Page 1 of 1 Pages

Shipper's Reference Number
(optional)

Consignee

Reshef Technologies Ltd
17 Hagana St.
Or-Yehuda 6023201
Israel
Tel.: 9723-5388666



HANLEY
INDUSTRIES, INCORPORATED

P.O. Box 7000 • 3640 SEMINARY RD
ALTON, ILLINOIS 62002
P. (312) 688-6670 • F. (312) 688-3700

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:

☐ CARGO
☐ AIRCRAFT
☐ ONLY

Airport of Destination:

Shipment type: (delete non-applicable)

☒ NON-RADIOACTIVE

NATURE AND QUANTITY OF DANGEROUS GOODS

Dangerous Goods Identification				Quantity and type of packing	Packing Inst.	Authorization
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Packing Group			
UN0471	Articles, explosive, n.o.s. (PBXN-5)	1.4E		3 Plywood Box X 0.0266 kg. N.E.W. X 0.025 kg	101	DOT-SP 8451 Attached Packaging approved by the competent authority of the USA

Additional Handling Information

Emergency Number: Infotrac 1-800-535-5053 International 1-352-323-3500

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/Title of Signatory

Jamie Geisen/Shipping Coordinator

Place and Date

Hanley Industries 4/9/24

Signature

(see warning above)

J. Geisen

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper

Hanley Industries, Inc
3640 Seminary Rd
Alton, IL 62002 USA

Air Waybill No.

Page 1 of 1 Pages

Shipper's Reference Number
(optional)

Consignee

Reshef Technologies Ltd
17 Hagana St.
Or-Yehuda 6023201
Israel
Tel.: 9723-5388666



HANLEY
INDUSTRIES, INCORPORATED

P.O. Box 1000 • 3400 HANLEY RD
ALTON, ILLINOIS 62002
P. 618/466-2002 • F. 618/466-2100

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:

**CARGO
AIRCRAFT
ONLY**

Airport of Destination:

Shipment type: (delete non-applicable)

NON-RADIOACTIVE

NATURE AND QUANTITY OF DANGEROUS GOODS

Dangerous Goods Identification				Quantity and type of packing	Packing Inst.	Authorization
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Packing Group			
UN0471	Articles, explosive, n.o.s. (contains HMX)	1.4E		3 Plywood Box X 0.0266 kg, N.E.W. X 0.025 kg	101	DOT SP 8451 Attached Packaging approved by the competent authority of the USA

Additional Handling Information

Emergency Number: Infotrac 1-800-535-5053 International 1-352-323-3500

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/Title of Signatory

Jamie Geisen/Shipping Coordinator

Place and Date

Hanley Industries 4/22/24

Signature

(see warning above)

J. Geisen



HANLEY
INDUSTRIES, INCORPORATED

P.O. BOX 1058 • 3640 SEMINARY ROAD
ALTON, ILLINOIS 62002 • (618)465-8892 • FAX (618)465-3195

PACKING LIST

SHIPPING DATE **APRIL 9, 2024** **PACK LIST NO 9777**

SHIPPED BY: **EXPRESS AIR FREIGHT**

SHIPPED TO: **Reshef Technologies Ltd**
 17 Hagana St.
 Or-Yehuda 6023201
 Isreal

CUSTOMER P.O.	GOV'T CONTRACT NOMENCLATURE	HANLEY JOB	GROSS WT	QTY
22000096		11212	182 LBS	8 BOXES

1. PA508 LEAD for RESHEF P/N 146-63502/9255165 **40,000 PCS**
 LOT HYT23C001-025

7 BOXES – 5,400 EA
Net Wt. 1.3 kg
N.E.W. 0.972 kg
Gross wt. 24 lbs.

1 BOX – 2,200 EA
Net Wt. 0.53 kg
N.E.W. 0.4 kg
Gross Wt. 14 lbs.

JAMIE GEISEN
SHIPPING COORDINATOR

DATE: 4-9-24

WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTION 6,7, AND 12 OF THE FAIR LABOR STANDARDS ACT AS AMENDED, AND OF THE REGULATIONS ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 OF THEREOF.
IN THE EVENT OF ANY OF THESE ITEMS ARE RE-SHIPPED, THE INTRASTATE COMMERCE COMMISSION AND DEPARTMENT OF TRANSPORTATION CLASSIFICATION AND REGULATIONS WILL DEPEND ON THE EXACT METHODS AND WILL NOT BE THE RESPONSIBILITY OF HANLEY INDUSTRIES, INC.
PQA OF LISTED ITEMS HAS BEEN MADE BY ME OR UNDER MY SUPERVISION AND THEY CONFORM TO CONTRACT EXCEPT AS NOTED HEREIN ON SUPPORTING DOCUMENTS.

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper

Hanley Industries, Inc
3640 Seminary Rd
Alton, IL 62002 USA

Air Waybill No.

Page 1 of 2 Pages

Shipper's Reference Number
(optional)

Consignee

Reshef Technologies Ltd
17 Hagana St.
Or-Yehuda 6023201
Israel
Tel.: 9723-5388666



HANLEY
INDUSTRIES, INCORPORATED

P.O. Box 5388 • 3640 SEMINARY RD
ALTON, ILLINOIS 62002
P. (312) 538-8666 • F. (312) 538-5100

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

Airport of Destination:

Shipment type: (delete non-applicable)

NON-RADIOACTIVE

NATURE AND QUANTITY OF DANGEROUS GOODS

Dangerous Goods Identification				Quantity and type of packing	Packing Inst.	Authorization
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Pack- ing Group			
UN0367	Fuzes, detonating	1.4S		1 Fiberboard Box X 1.30 kg. N.E.W. X 0.972 kg	141	EX9508023 Attached
UN0367	Fuzes, detonating	1.4S		1 Fiberboard Box X 1.30 kg. N.E.W. X 0.972 kg	141	EX9508023 Attached
UN0367	Fuzes, detonating	1.4S		1 Fiberboard Box X 1.30 kg. N.E.W. X 0.972 kg	141	EX9508023 Attached
UN0367	Fuzes, detonating	1.4S		1 Fiberboard Box X 1.30 kg. N.E.W. X 0.972 kg	141	EX9508023 Attached
UN0367	Fuzes, detonating	1.4S		1 Fiberboard Box X 1.30 kg. N.E.W. X 0.972 kg	141	EX9508023 Attached
UN0367	Fuzes, detonating	1.4S		1 Fiberboard Box X 1.30 kg. N.E.W. X 0.972 kg	141	EX9508023 Attached

Additional Handling Information

Emergency Number: Infotrac 1-800-535-5053 International 1-352-323-3500

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

Jamie Geisen/Shipping Coordinator

Place and Date

Hanley Industries 4/4/24

Signature

(see warning above)

J. Geisen

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper

Hanley Industries, Inc
3640 Seminary Rd
Alton, IL 62002 USA

Air Waybill No.

Page 2 of 2 Pages

Shipper's Reference Number
(optional)

Consignee

Reshef Technologies Ltd
17 Hagana St.
Or-Yehuda 6023201
Israel
Tel.: 9723-5388666



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

Airport of Destination:

Shipment type: (delete non-applicable)

NON-RADIOACTIVE

NATURE AND QUANTITY OF DANGEROUS GOODS

Dangerous Goods Identification				Quantity and type of packing	Packing Inst.	Authorization
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Pack- ing Group			
UN0367	Fuzes, detonating	1.4S		1 Fiberboard Box X 1.30 kg, N.E.W. X 0.972 kg	141	EX9508023 Attached
UN0367	Fuzes, detonating	1.4S		1 Fiberboard Box X 0.53 kg, N.E.W. X 0.4 kg	141	EX9508023 Attached

Additional Handling Information

Emergency Number: Infotrac 1-800-535-5053 International 1-352-323-3500

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/Title of Signatory

Jamie Geisen/Shipping Coordinator

Place and Date

Hanley Industries 4/4/24

Signature

(see warning above)



HANLEY
INDUSTRIES, INCORPORATED

P.O. BOX 1058 • 3640 SEMINARY ROAD
ALTON, ILLINOIS 62002 • (618)465 8892 • FAX (618)465-3195

PACKING LIST

SHIPPING DATE APRIL 9, 2024 PACK LIST NO 9776

SHIPPED BY: EXPRESS AIR FREIGHT

SHIPPED TO: Reshef Technologies Ltd
17 Hagana St.
Or-Yehuda 6023201
Isreal

<u>CUSTOMER P.O.</u>	<u>GOV'T CONTRACT</u> <u>NOMENCLATURE</u>	<u>HANLEY</u> <u>JOB</u>	<u>GROSS WT</u>	<u>QTY</u>
22000096		11210	120 LBS	5 BOX

1. PISTON ACTUATORS for RESHEF P/N 146-001191/HYT-172-00500 25,600 PCS

4 BOX - 5,200 EA
Net Wt. 1.98 kg
N.E.W. 0.021 kg
Gross wt. 24 lbs.

1 BOX - 4,800 EA
Net Wt. 1.824 kg
N.E.W. 0.0192 kg
Gross wt. 24 lbs.

JAMIE GEISEN
SHIPPING COORDINATOR

DATE: _____

4.9.24

WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTION 6, 7, AND 12 OF THE FAIR LABOR STANDARDS ACT AS AMENDED, AND OF THE REGULATIONS ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 OF THEREOF.
IN THE EVENT OF ANY OF THESE ITEMS ARE RE-SHIPPED, THE INTRASTATE COMMERCE COMMISSION AND DEPARTMENT OF TRANSPORTATION CLASSIFICATION AND REGULATIONS WILL DEPEND ON THE EXACT METHODS AND WILL NOT BE THE RESPONSIBILITY OF HANLEY INDUSTRIES, INC.
PQA OF LISTED ITEMS HAS BEEN MADE BY ME OR UNDER MY SUPERVISION AND THEY CONFORM TO CONTRACT EXCEPT AS NOTED HEREIN ON SUPPORTING DOCUMENTS.

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper

Hanley Industries, Inc
3640 Seminary Rd
Alton, IL 62002 USA

Air Waybill No.

Page 1 of 1 Pages

Shipper's Reference Number
(optional)

Consignee

Reshef Technologies Ltd
17 Hagana St.
Or-Yehuda 6023201
Israel
Tel.: 9723-5388666



HANLEY
INDUSTRIES, INCORPORATED

P.O. Box 1814 • 3640 SEMINARY RD
ALTON, ILLINOIS 62002
P. 312/468-1423 • F. 312/468-1779

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

Airport of Destination:

Shipment type: (delete non-applicable)

NON-RADIOACTIVE

NATURE AND QUANTITY OF DANGEROUS GOODS

Dangerous Goods Identification				Quantity and type of packing	Packing Inst.	Authorization
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Pack- ing Group			
UN0323	Cartridges, power device	1.4S		1 Fiberboard Box X 1.98 kg N.E.W. X 0.021 kg	134	EX2016080825 Attached
UN0323	Cartridges, power device	1.4S		1 Fiberboard Box X 1.98 kg N.E.W. X 0.021 kg	134	EX2016080825 Attached
UN0323	Cartridges, power device	1.4S		1 Fiberboard Box X 1.98 kg N.E.W. X 0.021 kg	134	EX2016080825 Attached
UN0323	Cartridges, power device	1.4S		1 Fiberboard Box X 1.98 kg N.E.W. X 0.021 kg	134	EX2016080825 Attached
UN0323	Cartridges, power device	1.4S		1 Fiberboard Box X 1.824 kg N.E.W. X 0.0192 kg	134	EX2016080825 Attached

Additional Handling Information

Emergency Number: Infotrac 1-800-535-5053 International 1-352-323-3500

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/Title of Signatory

Jamie Geisen/Shipping Coordinator

Place and Date

Hanley Industries 4/4/24

Signature

(see warning above)

J. Geisen



HANLEY
INDUSTRIES, INCORPORATED

P.O. BOX 1058 • 3640 SEMINARY ROAD
ALTON, ILLINOIS 62002 • (618)465-8892 • FAX (618)465-3196

PACKING LIST

SHIPPING DATE **APRIL 9, 2024** **PACK LIST NO 9775**

SHIPPED BY: **EXPRESS AIR FREIGHT**

SHIPPED TO: **Reshef Technologies Ltd**
 17 Hagana St.
 Or-Yehuda 6023201
 Isreal

<u>CUSTOMER P.O.</u>	<u>GOV'T CONTRACT</u> <u>NOMENCLATURE</u>	<u>HANLEY</u> <u>JOB</u>	<u>GROSS WT</u>	<u>QTY</u>
22000096		11211	144 LBS	8 BOXES
1. ELECTRIC DETS for RESHEF P/N 146-01190/11722405			40,000 PCS	

8 BOXES - 5,000 EA
Net Wt. 0.45 kg
N.E.W. 0.15 kg
Gross Wt. 18 lbs


JAMIE GEISEN
SHIPPING COORDINATOR

DATE: 4.9.24

WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTION 6,7, AND 12 OF THE FAIR LABOR STANDARDS ACT AS AMENDED, AND OF THE REGULATIONS ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 OF THEREOF.
IN THE EVENT OF ANY OF THESE ITEMS ARE RE-SHIPPED, THE INTRASTATE COMMERCE COMMISSION AND DEPARTMENT OF TRANSPORTATION CLASSIFICATION AND REGULATIONS WILL DEPEND ON THE EXACT METHODS AND WILL NOT BE THE RESPONSIBILITY OF HANLEY INDUSTRIES, INC.
PQA OF LISTED ITEMS HAS BEEN MADE BY ME OR UNDER MY SUPERVISION AND THEY CONFORM TO CONTRACT EXCEPT AS NOTED HEREIN ON SUPPORTING DOCUMENTS.

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper

Hanley Industries, Inc
3640 Seminary Rd
Alton, IL 62002 USA

Air Waybill No.

Page 1 of 2 Pages

Shipper's Reference Number
(optional)

Consignee

Reshef Technologies Ltd
17 Hagana St.
Or-Yehuda 6023201
Israel
Tel.: 9723-5388666



HANLEY
INDUSTRIES, INCORPORATED

P.O. Box 1994 • 3640 SEMINARY RD
ALTON, ILLINOIS 62002
N. 010000000 • L. 010000000

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:

CARGO
AIRCRAFT
ONLY

Airport of Destination:

Shipment type: (delete non-applicable)

NON-RADIOACTIVE

NATURE AND QUANTITY OF DANGEROUS GOODS

Dangerous Goods Identification				Quantity and type of packing	Packing inst.	Authorization
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Pack- ing Group			
UN0255	Detonators, electric	1.4B		1 Fiberboard Box X .45 kg N.E.W. X .15 kg	131	EX9604092 Attached
UN0255	Detonators, electric	1.4B		1 Fiberboard Box X .45 kg N.E.W. X .15 kg	131	EX9604092 Attached
UN0255	Detonators, electric	1.4B		1 Fiberboard Box X .45 kg N.E.W. X .15 kg	131	EX9604092 Attached
UN0255	Detonators, electric	1.4B		1 Fiberboard Box X .45 kg N.E.W. X .15 kg	131	EX9604092 Attached
UN0255	Detonators, electric	1.4B		1 Fiberboard Box X .45 kg N.E.W. X .15 kg	131	EX9604092 Attached
UN0255	Detonators, electric	1.4B		1 Fiberboard Box X .45 kg N.E.W. X .15 kg	131	EX9604092 Attached

Additional Handling Information

Emergency Number: Infotrac 1-800-535-5053 International 1-352-323-3500

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/Title of Signatory

Jamie Geisen/Shipping Coordinator

Place and Date

Hanley Industries 4/4/24

Signature

(see warning above)

J. Geisen

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper

Hanley Industries, Inc
3640 Seminary Rd
Alton, IL 62002 USA

Air Waybill No.

Page 2 of 2 Pages

Shipper's Reference Number
(optional)

Consignee

Reshef Technologies Ltd
17 Hagana St.
Or-Yehuda 6023201
Israel
Tel.: 9723-5388666



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:

☐ CARGO
☐ AIRCRAFT
☐ ONLY

Airport of Destination:

Shipment type: (delete non-applicable)

☒ NON-RADIOACTIVE

NATURE AND QUANTITY OF DANGEROUS GOODS

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
UN0255	Detonators, electric	1.4B		1 Fiberboard Box X .45 kg N.E.W. X .15 kg	131	EX9604092 Attached
UN0255	Detonators, electric	1.4B		1 Fiberboard Box X .45 kg N.E.W. X .15 kg	131	EX9604092 Attached

Additional Handling Information

Emergency Number: Infotrac 1-800-535-5053 International 1-352-323-3500

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/Title of Signatory

Jamie Geisen/Shipping Coordinator

Place and Date

Hanley Industries 4/4/24

Signature

(see warning above)

J. Geisen



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

1200 New Jersey Avenue, SE
Washington, DC 20590

SPECIAL PERMIT AUTHORIZATION

DOT-SP 8451

EXPIRATION DATE: 2026-02-28

GRANTEE: Hanley Industries, Inc.
Alton, IL

In response to your November 30, 2021, application for renewal of party status to DOT-SP 8451 as a shipper, the grantee status to DOT-SP8451 for Hanley Industries, Inc. is hereby renewed in accordance with 49 CFR 107.113.

Copies of this special permit may be obtained by accessing the Office of Hazardous Materials Safety Homepage at <https://www.phmsa.dot.gov/approvals-and-permits/hazmat/special-permits-search>. The most recent revision of the special permit supersedes all previous revisions of the special permit. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

If you have questions regarding this action please call the Office of Hazardous Materials Safety, General Approvals and Permits Branch at (202) 366-4535.

Issued in Washington D.C. on **March 03, 2022**.

for William Schoonover
Associate Administrator for Hazardous Materials Safety

June 27, 2019



U.S. Department
of Transportation

East Building, PHH-30
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 8451
(FORTY-FIRST REVISION)

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATION:

a. This special permit authorizes the transportation in commerce of not more than 25 grams of solid explosive or pyrotechnic material, including waste containing explosives, that has energy density not greater than that of pentaerythritol tetranitrate (PETN), as well as specific explosive article types as outlined in paragraph 7.e., classed as Division 1.4E, when packed in a special shipping container. This special permit provides no relief from the Hazardous Materials Regulations (HMR) or the International Civil Aviation Organization's Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO Technical Instructions) other than as specifically stated herein. The most recent revision supersedes all previous revisions.

b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.

c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.

d. This special permit serves as a "Competent Authority Approval" as defined in 49 CFR § 107.1 and as an "approval" under Special Provision A62 and Packing Instruction 101 of the ICAO Technical Instructions.

e. For international shipments, see Paragraph 8.c.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180 and the ICAO TI.

Tracking Number: 2019044224

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.320 in that the EX number need not be marked on the package, §§ 173.54(a), 173.56(b), 173.57 and 173.58 in that a new explosive need not be examined and tested in accordance with the requirements of these sections, § 173.54(j) in that explosives forbidden in the Hazardous Materials Table may be transported, and § 173.60 in that alternative packaging is authorized.
5. BASIS: This special permit is based on the responses to the Pipeline and Hazardous Materials Safety Administration's (PHMSA) show cause letter issued under § 107.121 initiated on December 1, 2017 and the request for additional information dated October 31, 2018.
6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous materials description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Articles, explosive, n.o.s. (*) ¹	1.4E	UN0471	N/A

* Technical name of material being shipped
1 - Only solid explosives are authorized.

7. SAFETY CONTROL MEASURES:

a. Inner packaging must be:

(1) A 4-inch X 14-inch Schedule 80 seamless steel pipe nipple closed at both ends with 4-inch diameter forged steel end caps, 3,000 psi per ASTM 105, or other caps which have been shown by test to contain the explosive effect of 25 grams of PETN, or

(2) A 6-inch X 12 to 14-inch Schedule 80 seamless steel pipe nipple closed at both ends with 6-inch diameter malleable iron end caps with a minimum strength of 250 psi, or other caps which have been shown by test to contain the explosive effect of 25 grams of PETN, or

(3) A 8-inch X 30-inch Schedule 80 seamless steel pipe nipple closed at both ends with 8-inch diameter forged steel end caps, 3,000 psi per ASTM 105, or other caps which have been shown by test to contain the explosive effect of 25 grams of PETN.

For pipe nipples described in paragraphs a.(1), (2), and (3), the threads must be cut so that the end caps can be screwed on a minimum of 5 threads by hand, but the caps must be tightened with a wrench.

(4) The device described in "Handling Procedure and Design of a Shipping Container for Transporting Small Samples of Dry Primary Explosives" by Harold K.H. Bartles, presented at the 12th Symposium of Explosives and Pyrotechnics on March 13, 1984 in San Diego, California, USA, which is attached to Schlumberger's application to modify the special permit dated July 7, 1988 and supplemental letter dated July 2, 1992.

(5) The packaging identified as "Model LD-2250" described in "Shipping Containers for Small Samples of High Explosives" by Richard A. Hildner and Manual J. Urizar, Los Alamos National Laboratory Report No. LA-9107-MS/UC-71, Hercules Incorporated's application dated January 14, 1993. The packaging identified as "Model LD-1000" in this same Laboratory Report may only be used if the net mass of explosives contained within does not exceed 15 grams.

b. The energetic materials must be sealed in a leak-proof receptacle centered internally in the pipe or wrapped with cushioning material to keep the energetic material away from the side walls and ends of the inner packaging. The inner packagings described in paragraph 7.a. must be placed in:

(1) A cushioned UN 4G fiberboard box, 4C wooden box, 4D plywood box;

(2) A 4A steel box, 4B aluminum box, 4N metal (other than steel or aluminum) box;

(3) A 1A2 removable head steel drum, 1B2 removable head aluminum drum, or 1N2 removable head metal (other than steel or aluminum) drum; or

June 27, 2019

(4) A container that meets the requirements of the Institute of Makers of Explosives' Safety Library Publication No. 22.

c. The movement of explosive substances forbidden in 173.54(j) is limited to samples for evaluation, testing, or waste disposal.

d. A container in which an explosive event has occurred may not be reused under the terms of this special permit.

e. Specific explosive article types may be transported provided that:

(1) Only inner packagings authorized in paragraphs 7.a.(1), (2), and (3) of this permit are used;

(2) The maximum net explosive weight within the inner packaging (pipe) shall not exceed 25 grams;

(3) The maximum energy content within the inner packaging (pipe) shall not exceed that of 25 grams of PETN; and

(4) Transport consists of a single type of article in each inner packaging, and is limited to the specific types listed below:

(i) Pyrotechnic valves, each containing not more than 350 mg NEW;

(ii) Exploding foil initiators, each containing not more than 140 mg NEW;

(iii) Igniters, each containing not more than 2,078 mg NEW;

(iv) Power cartridge devices, each containing not more than 1.6 grams NEW;

(v) Inflators and actuators, each containing not more than 6.58 grams NEW;

(vi) Primers, each containing not more than 200 mg; and

(vii) Microgas generators (MGGs), each containing not more than 1 gram NEW. MGGs containing

June 27, 2019

formulations that undergo deflagration-to-detonation transitions, as defined by UN Test Series 5(b), are not authorized.

f. Fuze articles that are not listed in section 7.e. above may be transported by motor vehicle and rail freight, provided that the following requirements are met:

(1) For explosive articles, no more than 12.5 g of NEW shall be permitted within the packaging.

(2) For multiple explosive articles within the packaging, each explosive article may contain no more than 2 g of NEW.

(3) No substance within any article may have an energy density greater than PETN.

(4) Explosive articles that produce a directional effect or focus the energy of the reaction at a single point or along a line are not authorized.

(5) No part of the explosive article(s), if initiated, may come in contact with the inner packaging wall or end caps, whether by intentional mechanical effect or unanticipated loss of integrity (such as fragmentation) of the article.

(6) Additional packaging requirements

(i) Inside Packaging:

(A) The volume of a single explosive article or the combined volume of multiple explosive articles may not exceed 25% of the volume of the inside packaging authorized in this special permit.

(B) Only one inside packaging per outer packaging is authorized.

(ii) Outer packaging for articles is limited to those outer packagings listed in section 7.b. of this special permit, with the containment pipe/vessel being centrally located within the outer packaging with energy absorbing material

June 27, 2019

completely filling the void space between the inner containment pipe/vessel and the inner walls of the outer packaging.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package and it is reoffered for transportation in conformance with this special permit, the HMR, and the ICAO TI.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

c. This special permit in no way affects the need to obtain any required authorizations from other agencies of the United States Government or from the competent authorities of countries of origin, transit, and destination.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, and cargo only aircraft.

Note: See individual authorization letter for additional modal restrictions.

10. MODAL REQUIREMENTS: A current copy of the special permit must be carried aboard each aircraft or motor vehicle used to transport packages covered by this special permit. The shipper must furnish a current copy of this special permit to the air carrier before or at the time the shipment is tendered.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.

June 27, 2019

- o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by 49 CFR 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8 who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when the special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) - 'The Hazardous Materials Safety and Security Reauthorization Act of 2005' (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for William Schoonover
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: Andrew Eckenrode



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

1200 New Jersey Avenue, SE
Washington, DC 20590

SPECIAL PERMIT AUTHORIZATION

DOT-SP 8451

EXPIRATION DATE: 2026-02-28

GRANTEE: Hanley Industries, Inc.
Alton, IL

In response to your November 30, 2021, application for renewal of party status to DOT-SP 8451 as a shipper, the grantee status to DOT-SP8451 for Hanley Industries, Inc. is hereby renewed in accordance with 49 CFR 107.113.

Copies of this special permit may be obtained by accessing the Office of Hazardous Materials Safety Homepage at <https://www.phmsa.dot.gov/approvals-and-permits/hazmat/special-permits-search>. The most recent revision of the special permit supersedes all previous revisions of the special permit. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

If you have questions regarding this action please call the Office of Hazardous Materials Safety, General Approvals and Permits Branch at (202) 366-4535.

Issued in Washington D.C. on **March 03, 2022**.

for William Schoonover
Associate Administrator for Hazardous Materials Safety

June 27, 2019



U.S. Department
of Transportation

East Building, PHH-30
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 8451
(FORTY-FIRST REVISION)

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: (See individual authorization letter)

2. PURPOSE AND LIMITATION:

a. This special permit authorizes the transportation in commerce of not more than 25 grams of solid explosive or pyrotechnic material, including waste containing explosives, that has energy density not greater than that of pentaerythritol tetranitrate (PETN), as well as specific explosive article types as outlined in paragraph 7.e., classed as Division 1.4E, when packed in a special shipping container. This special permit provides no relief from the Hazardous Materials Regulations (HMR) or the International Civil Aviation Organization's Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO Technical Instructions) other than as specifically stated herein. The most recent revision supersedes all previous revisions.

b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.

c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.

d. This special permit serves as a "Competent Authority Approval" as defined in 49 CFR § 107.1 and as an "approval" under Special Provision A62 and Packing Instruction 101 of the ICAO Technical Instructions.

e. For international shipments, see Paragraph 8.c.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180 and the ICAO TI.

Tracking Number: 2019044224

June 27, 2019

4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.320 in that the EX number need not be marked on the package, §§ 173.54(a), 173.56(b), 173.57 and 173.58 in that a new explosive need not be examined and tested in accordance with the requirements of these sections, § 173.54(j) in that explosives forbidden in the Hazardous Materials Table may be transported, and § 173.60 in that alternative packaging is authorized.
5. BASIS: This special permit is based on the responses to the Pipeline and Hazardous Materials Safety Administration's (PHMSA) show cause letter issued under § 107.121 initiated on December 1, 2017 and the request for additional information dated October 31, 2018.
6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous materials description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Articles, explosive, n.o.s. (*) ¹	1.4E	UN0471	N/A

* Technical name of material being shipped
1 - Only solid explosives are authorized.

7. SAFETY CONTROL MEASURES:

a. Inner packaging must be:

(1) A 4-inch X 14-inch Schedule 80 seamless steel pipe nipple closed at both ends with 4-inch diameter forged steel end caps, 3,000 psi per ASTM 105, or other caps which have been shown by test to contain the explosive effect of 25 grams of PETN, or

(2) A 6-inch X 12 to 14-inch Schedule 80 seamless steel pipe nipple closed at both ends with 6-inch diameter malleable iron end caps with a minimum strength of 250 psi, or other caps which have been shown by test to contain the explosive effect of 25 grams of PETN, or

(3) A 8-inch X 30-inch Schedule 80 seamless steel pipe nipple closed at both ends with 8-inch diameter forged steel end caps, 3,000 psi per ASTM 105, or other caps which have been shown by test to contain the explosive effect of 25 grams of PETN.

For pipe nipples described in paragraphs a.(1), (2), and (3), the threads must be cut so that the end caps can be screwed on a minimum of 5 threads by hand, but the caps must be tightened with a wrench.

(4) The device described in "Handling Procedure and Design of a Shipping Container for Transporting Small Samples of Dry Primary Explosives" by Harold K.H. Bartles, presented at the 12th Symposium of Explosives and Pyrotechnics on March 13, 1984 in San Diego, California, USA, which is attached to Schlumberger's application to modify the special permit dated July 7, 1988 and supplemental letter dated July 2, 1992.

(5) The packaging identified as "Model LD-2250" described in "Shipping Containers for Small Samples of High Explosives" by Richard A. Hildner and Manual J. Urizar, Los Alamos National Laboratory Report No. LA-9107-MS/UC-71, Hercules Incorporated's application dated January 14, 1993. The packaging identified as "Model LD-1000" in this same Laboratory Report may only be used if the net mass of explosives contained within does not exceed 15 grams.

b. The energetic materials must be sealed in a leak-proof receptacle centered internally in the pipe or wrapped with cushioning material to keep the energetic material away from the side walls and ends of the inner packaging. The inner packagings described in paragraph 7.a. must be placed in:

(1) A cushioned UN 4G fiberboard box, 4C wooden box, 4D plywood box;

(2) A 4A steel box, 4B aluminum box, 4N metal (other than steel or aluminum) box;

(3) A 1A2 removable head steel drum, 1B2 removable head aluminum drum, or 1N2 removable head metal (other than steel or aluminum) drum; or

June 27, 2019

(4) A container that meets the requirements of the Institute of Makers of Explosives' Safety Library Publication No. 22.

c. The movement of explosive substances forbidden in 173.54(j) is limited to samples for evaluation, testing, or waste disposal.

d. A container in which an explosive event has occurred may not be reused under the terms of this special permit.

e. Specific explosive article types may be transported provided that:

(1) Only inner packagings authorized in paragraphs 7.a.(1), (2), and (3) of this permit are used;

(2) The maximum net explosive weight within the inner packaging (pipe) shall not exceed 25 grams;

(3) The maximum energy content within the inner packaging (pipe) shall not exceed that of 25 grams of PETN; and

(4) Transport consists of a single type of article in each inner packaging, and is limited to the specific types listed below:

(i) Pyrotechnic valves, each containing not more than 350 mg NEW;

(ii) Exploding foil initiators, each containing not more than 140 mg NEW;

(iii) Igniters, each containing not more than 2,078 mg NEW;

(iv) Power cartridge devices, each containing not more than 1.6 grams NEW;

(v) Inflators and actuators, each containing not more than 6.58 grams NEW;

(vi) Primers, each containing not more than 200 mg; and

(vii) Microgas generators (MGGs), each containing not more than 1 gram NEW. MGGs containing

June 27, 2019

formulations that undergo deflagration-to-detonation transitions, as defined by UN Test Series 5(b), are not authorized.

f. Fuze articles that are not listed in section 7.e. above may be transported by motor vehicle and rail freight, provided that the following requirements are met:

(1) For explosive articles, no more than 12.5 g of NEW shall be permitted within the packaging.

(2) For multiple explosive articles within the packaging, each explosive article may contain no more than 2 g of NEW.

(3) No substance within any article may have an energy density greater than PETN.

(4) Explosive articles that produce a directional effect or focus the energy of the reaction at a single point or along a line are not authorized.

(5) No part of the explosive article(s), if initiated, may come in contact with the inner packaging wall or end caps, whether by intentional mechanical effect or unanticipated loss of integrity (such as fragmentation) of the article.

(6) Additional packaging requirements

(i) Inside Packaging:

(A) The volume of a single explosive article or the combined volume of multiple explosive articles may not exceed 25% of the volume of the inside packaging authorized in this special permit.

(B) Only one inside packaging per outer packaging is authorized.

(ii) Outer packaging for articles is limited to those outer packagings listed in section 7.b. of this special permit, with the containment pipe/vessel being centrally located within the outer packaging with energy absorbing material

June 27, 2019

completely filling the void space between the inner containment pipe/vessel and the inner walls of the outer packaging.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package and it is reoffered for transportation in conformance with this special permit, the HMR, and the ICAO TI.

b. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

c. This special permit in no way affects the need to obtain any required authorizations from other agencies of the United States Government or from the competent authorities of countries of origin, transit, and destination.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, and cargo only aircraft.

Note: See individual authorization letter for additional modal restrictions.

10. MODAL REQUIREMENTS: A current copy of the special permit must be carried aboard each aircraft or motor vehicle used to transport packages covered by this special permit. The shipper must furnish a current copy of this special permit to the air carrier before or at the time the shipment is tendered.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.

June 27, 2019

- o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by 49 CFR 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8 who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when the special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) - 'The Hazardous Materials Safety and Security Reauthorization Act of 2005' (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for William Schoonover
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: Andrew Eckenrode



U.S. Department
of Transportation

**Research and
Special Programs
Administration**

The US Department of Transportation
Competent Authority for the United States

400 Seventh Street, S.W.
Washington, D.C. 20590

CLASSIFICATION OF EXPLOSIVES

Based upon a request by Lynn R. Coonrod on behalf of Hanley Industries, Incorporated, P.O. Box 1058, 3640 Seminary Road, Alton, Illinois, the following items are classed in accordance with Section 173.56, Title 49, Code of Federal Regulations (49 CFR).

U.N. PROPER SHIPPING NAME AND NUMBER:

Detonators, electric, UN0255 (see note 1)

U.N. CLASSIFICATION CODE: 1.4B

REFERENCE NUMBER

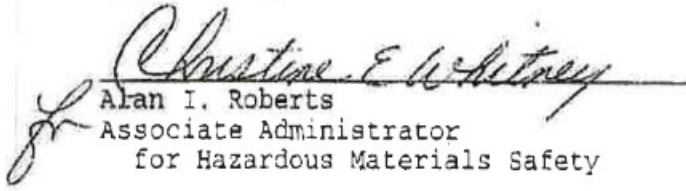
EX-9604092

PRODUCT DESIGNATION/PART NUMBER

175-00720/ 11722405

Note 1 - This classification is only valid when the electric detonators are packaged as follows: Inner Packaging: Trays, solid chipboard, at least 0.54" thick with spacing between detonators not less than 0.34 inches, each containing not more than 100 detonators per tray. Outer Packaging: Specification 4G fiberboard box with at least 0.25 inch thick conductive plastic foam pads above and below each inner packaging, each containing not more than 5000 detonators.

Approved by:


Alan I. Roberts

Associate Administrator

for Hazardous Materials Safety

APR 26 1996

(DATE)



U.S. Department
of Transportation

East Building, PHH - 24
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
SECOND REVISION

Based upon a request by Hanley Industries, Inc., 3640 Seminary St., Alton, IL 62002-5730, 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:

Cartridges, power device, UN0323

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER:

EX2016080825

PRODUCT DESIGNATION/PART NUMBER:

Piston Actuators, D/N's: 146-01191,
HYT-172-00500, HYT-172-00510

NOTES: The following packaging method is assigned:

Inner packaging – Tray, pre-punched fiberboard such as to contain not more than one hundred (100) units uniformly spaced with foam pad above.

Intermediate Packaging – Box, masonite with masonite lid and outer fiberboard sleeve, each one (1) inner packaging.

Outer Packaging – UN 4G fiberboard box, each containing not more than fifty-two (52) intermediate packagings.

This classification meets UN 6(d) criteria.

This approval as revised supersedes all previous versions.

DATED: April 17, 2024

for William Schoonover

Associate Administrator for Hazardous Materials Safety



U.S. Department
of Transportation

Research and
Special Programs
Administration

400 Seventh Street, S.W.
Washington, D.C. 20590

The US Department of Transportation
Competent Authority for the United States

CLASSIFICATION OF EXPLOSIVES

Based upon a request by Lynn R. Coonrod on behalf of Hanley Industries, Incorporated, P.O. Box 1058, Alton, Illinois, the following items are classed in accordance with Section 173.56, Title 49, Code of Federal Regulations (49 CFR).

U.N. PROPER SHIPPING NAME AND NUMBER: Fuzes, detonating, UN0367

U.N. CLASSIFICATION CODE: 1.4S

<u>REFERENCE NUMBER</u>	<u>PRODUCT DESIGNATION/PART NUMBER</u>
EX-9508023	9255165

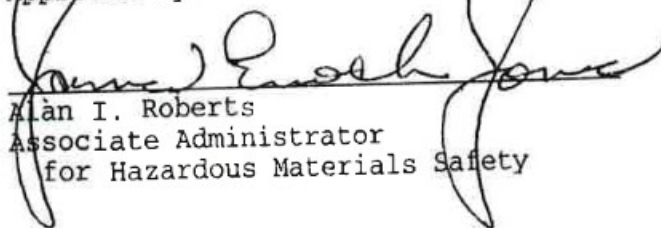
*** The following is provided to facilitate transition to the UN system ***

Classification under Sections 173.86 or 173.114a (49 CFR):

DOT DESCRIPTION/COMMERCIAL NAME: Detonating fuze, Class C

DOT HAZARD CLASSIFICATION: Class C explosive

Approved by:


Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

AUG 21 1995

(DATE)