

## SHIPPER'S DECLARATION FOR DANGEROUS GOODS



## Shipper

Island Ordnance Systems, LLC  
267 East Jericho Turnpike  
Mineola, NY 11501 - USA  
Tel. +1(516) 746-2100

Air Waybill No.

Page 1 of 1 Pages

Shipper's Reference No. IOS-1797-1  
(optional)

## Consignee

IMI Systems Ltd.  
Plant 51 - 64 Bialik Blvd.  
Ramat-Hasharon  
Israel

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:

Airport of Departure (optional):

(delete non-applicable)

PASSENGER AND  
CARGO AIRCRAFT~~XXX~~  
~~SHIPPED ONLY~~

Airport of Destination (optional):

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)	Packing Group	Quantity and Type of Packing	Packing Inst.	Authorization
UN0323	Cartridges, power device	1.4S		1 Fiberboard Box X 1.9 kg N.E.W. 0.029 kg	134	EX2016080 825
UN0323	Cartridges, power device (contains Barium Nitrate)	1.4S		1 Fiberboard Box X 1.9 kg N.E.W. 0.029 kg  Total Net Wt. 3.8 kg Total N.E.W. 0.058 kg  Total Gross Wt. 20.86 kg	134	EX2016080 825  Attached

## Additional Handling Information

VelocityEHS Account # MIS0002791

24-HR Emergency Contact: VelocityEHS

U.S.: +1(800) 255-3924

International: +1(813) 248-0585

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

Claudia Orjuela

Date 4/17/2024

Signature

(See warning above)



## ISLAND ORDNANCE SYSTEMS, LLC

267 East Jericho Turnpike, Mineola, NY 11501 USA  
Tel: (516) 746-2100 Fax: (516) 746-2405  
www.IslandOrdnance.com

# PACKING LIST

Consignee: IMI SYSTEMS LTD.  
Plant 51 - 64 Bialik Blvd. - Ramat Hasharon  
ISRAEL  
Att.: Noga Manhaim  
Tel.: +972.3.548.5187

Your PO Nº: 25114387  
Our Reference: IOS-1797-1

Product Name: **1MT172 PISTON ACTUATOR – IMI P/N 165241212**  
UN0323, Cartridges, power device, 1.4S  
EX2016080825

Harmonized Code: 9306.90.0080  
Country of Origin: U.S.A.  
Lot Nº: IOS24D002-001  
Total Quantity: 10,000 ea.  
Packing: 2 Fiberboard Boxes – 5,000 ea  
Box Dimensions: 12.5 X 13 X 16 inches  
Total N.E.W.: 0.058 kg  
Total Net Wt. 3.8 kg  
Total Gross Wt: 20.86 kg

"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."

Country of Ultimate Destination: Israel

End User: Israel Defense Forces (I.D.F.)

License Nº: DSP-05, License Nº 050778489

PROVISOS: (U) This license will remain valid until January 1, 2025, one day after the expiration date of the import certificate.

  
Claudia Orjuela  
April 17, 2024



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 – 24  
1200 New Jersey Avenue, Southeast  
Washington, D.C. 20590

**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



## RIVERBEND ENERGETICS

### Safety Data Sheet

Date prepared: April 16, 2024

Date revised: April 17, 2024

#### 1. Identification

Substance or preparation trade name: Piston Actuator (HYT-172-00510)  
Company/undertaking name & address: Hanley Industries, Inc. dba  
Riverbend Energetics  
3640 Seminary Road  
Alton, IL 62002  
Telephone: (618) 465-8892  
Emergency telephone number: (800) 535-5053  
Recommended use: Cartridge, power device

#### 2. Hazards Identification

Physical Hazard Classification: Explosive, Flammable Solid  
Health Hazard Classification: Risk of explosion by shock, fire or other sources of ignition. Harmful by inhalation, in contact with skin and if swallowed.  
Signal Word Codes: GHS01 Exploding Bomb  
GHS07 Exclamation Mark  
Hazard Statement: H201, Explosive; mass explosion hazard.  
Acute Tox. 4, H302, Harmful by inhalation  
Acute Tox. 4, H332, Harmful if swallowed.  
H240 Heating may cause an explosion.  
Safety Phrases: S36/37, Wear suitable protective clothing and gloves.  
S45, in case of accident or if you feel unwell, seek medical advice immediately (show label where possible)



Pictogram:

Precautionary Statement Prevention:

P210, Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
P240, Ground / bond container and receiving equipment.  
P250, Do not subject to grinding / shock / friction.  
P280, Wear protective gloves / protective clothing / eye protection / face protection.





## RIVERBEND ENERGETICS

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Precautionary Statement Response:	P370 + P380, In case of fire, evacuate area. P372, Explosion risk in case of fire. P373, DO NOT fight fire when it reaches explosives. P380 Evacuate area.
Precautionary Statement Storage:	P401, Store in accordance with local / regional / national / international regulations.
Precautionary Statement Disposal:	P501, Dispose of contents/container in accordance with local / regional / national / international regulations.

### 3. Composition

Component Name	CAS Number	Applicable Exposure Limits
Lead Styphnate (TLV & PEL given for lead)	15245-44-0	0.15 mg/m <sup>3</sup> PEL, 50 µg/m <sup>3</sup> TLV
Barium Nitrate	10022-31-8	For soluble Barium compounds: OSHA PEL 0.5 mg(BA)/m <sup>3</sup> ; ACGIH TLV: 0.5 mg (BA)/m <sup>3</sup>
Boron	7440-42-8	Not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### 4. First aid measures

Skin contact:	Wash thoroughly with soap and water. Remove contaminated clothing. Thoroughly wash clothing before reuse. Render unusable and discard contaminated shoes and leather articles.
Eye contact:	Remove contact lenses. Hold eyelids apart. Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get immediate medical attention.
Ingestion:	Do not induce vomiting. Call a physician or poison control center immediately. NEVER give anything by mouth to an unconscious person. NEVER induce vomiting in an unconscious person.
Inhalation:	Remove to fresh air. If breathing is difficult, give oxygen. Get immediate medical attention.

### 5. Fire fighting measures

Flammable properties:	Flammable EVACUATE AREA IMMEDIATELY. DO NOT fight fire.
Hazardous decomposition products:	Oxides of carbon and nitrogen, trace metal oxides.



## RIVERBEND ENERGETICS

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Extinguishing media:	Foam media only.
Protective equipment:	Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire clothing (includes fire fighting helmet, coat, pants, boots and gloves).
Unusual fire and explosion hazards:	Explosive hazard, may detonate under the right conditions.

### 6. Accidental release measures

Spills and leaks:	Clean up spills with a soft bristle brush and conductive rubber pan or rubber shovel. Use conductive containers. Avoid pinching material or metal to metal contact. Avoid sharp objects, sand, glass, grit or other material that sensitizes explosives.
Waste disposal:	Disposal (if explosive) should be carried out under the direct supervision of a qualified person. Check with local authorities before disposal.

### 7. Handling and storage

DO NOT PRESSURIZE OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION.

Follow appropriate DOD, NFPA and BATF explosive safety measures. Local ordinances may apply.

For handling and storage requirements see 29 CFR 1910.109.

Avoid exposure to sunlight or artificial ultraviolet light.

Do not keep deteriorated or salvaged powders. Check old powders for deterioration regularly.

Destroy deteriorated powders immediately.

### 8. Exposure Control Measures/Personal Protection

Engineering measures:	Prevent build-up of static electric charges. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Discharge from the ventilation system should comply with applicable air pollution control regulations.
Respiratory protection:	When functioning, appropriate respiratory protection may be required to reduce airborne contaminants, which may exceed acceptable limits. Respirators should be selected and used in accordance with OSHA,



## RIVERBEND ENERGETICS

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	Subpart I (29 CFR 1910.134) and the manufacturer's recommendations.
Eye protection:	Safety glasses
Hand protection:	Impervious gloves
Hygiene measures (when functioning):	Avoid contact with eyes, skin and clothing. Avoid breathing dust, vapor or mist. Handle in areas with adequate ventilation. Wash thoroughly after handling and before eating, drinking or smoking. Avoid contamination of food, beverages or smoking materials. Remove contaminated clothing promptly and clean thoroughly before reuse.

### 9. Physical and chemical properties

Appearance:	Metal exterior, yellow and grey/black powder inside
Odor:	NA
pH:	NA
Boiling point:	NA
Melting point:	NA
Flashpoint:	NA
Explosive properties:	Explosive
Vapor pressure:	Negligible at 20°C
Specific gravity:	1.5 (approximate)
Solubility:	Negligible at 20°C

### 10. Stability and reactivity

Stability:	Stable under recommended handling and storage conditions. Material is sensitive to friction, shock, impact, and electrostatic charge.
Incompatibilities:	Acids, oxidizing agents, alkalis and amines and strong sunlight or ultraviolet light.
Conditions to avoid:	Avoid storing product near incompatible materials. Do not store near flammable materials. Do not keep deteriorated or salvaged product. Keep away from heat, flame, sparks or other ignition sources. Do not store in direct sunlight or expose to UV radiation.
Hazardous decomposition products:	None anticipated under normal or recommended handling and storage conditions.

### 11. Toxicological information



## RIVERBEND ENERGETICS

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Not listed as a carcinogen by National Toxicity Program (NTP); not regulated as a carcinogen by Occupational Safety and Health Administration (OSHA); not evaluated by International Agency for Research on Cancer (IARC). Rats dosed for a lifetime showed a decrease in the number of mammary and pituitary tumors that usually occur.

### 12. Ecological information

No ecological studies were found on this product.

### 13 Disposal Considerations

Disposal of material should be in accordance with federal, state and local regulations.

### 14. Transport information

US DOT Proper Shipping Name:	Cartridges, power device
UN ID No.:	UN0323
Class & Division:	1.4S
Packing Group:	NA

### 15. Regulatory information

OSHA:	NA
TSCA:	Section 12(b) Listed – Yes
CERCLA:	Reportable Quantity – 10 pounds
SARA Title III:	
Section 302:	Chemical Name – Lead Threshold Planning Quantity: NA Reportable Quantity: 10 pounds (CERCLA RQ)
Section 311/312:	Acute, Chronic, Fire, Reactive, Sudden Release of Pressure
Section 313:	Chemical Name: Lead





## RIVERBEND ENERGETICS

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### 16. Other Information

#### Label Information:

#### **DANGER !**

**FLAMMABLE/EXPLOSIVE**

**KEEP AWAY FROM HEAT, SPARKS OR OPEN FLAME**

**MAY CAUSE SKIN IRRITATION**

Residual dust may ignite.

Ingestion may cause nausea, vomiting and possible loss of consciousness.

**FIRST AID: In case of contact**, immediately flush skin with water. Remove contaminated clothing and shoes. Call physician if irritation develops and persists.

**In case of spill**: Use soft natural bristle brush and conductive rubber or conductive plastic shovel and dispose accordingly.

**Avoid contact with water.**

#### **Abbreviation Key:**

ACHIH: American Conference of Governmental Industrial Hygienist

AICS: Australian Inventory of Chemical Substances

AIHA WEEL: American Industrial Hygienists Association - Workplace

Environmental Exposure Level

ANSI: American National Safety Institute

C: Ceiling

CASRN: Chemical Abstracts Service Registry Number

CERCLA: Comprehensive Emergency Response, Compensation and Liability Act

DSL: Domestic Substances List (Canadian)

EIECCS: European Inventory of Existing Commercial Chemical Substances

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

MITI: Ministry of International Trade and Industry (Japanese)

N/A: Not Applicable

NDSL: Non-domestic Substances List (Canadian)

NFPA: National Fire Prevention Association

NOR: Not Otherwise Regulated

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

RCRA: Resource Conservation and Recovery Act

RQ: Superfund Amendment Reauthorization Act

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value (ACGIH)

TPQ: Threshold Planning Quantity

TSCA: Toxic Substances Control Act

TWA: Time Weighted Average

#### **Disclaimer:**

Although the information contained in this material safety data sheet has been compiled from sources believed to be reliable, no warranty, guaranty or representation is made as to the



## **RIVERBEND ENERGETICS**

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accuracy or completeness of the information contained herein and no responsibility or liability is assumed regarding the suitability of this information for the user's intended purpose or the consequences of its use. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its obligations under any applicable federal, state, or local law or regulation.