

Electric Detonator, Detonator Assembly

MSDS 214028

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 10/27/2023

Date of issue: 03/27/2015

Version: 3.1

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Device

Product Name: Electric Detonator, Detonator Assembly

Product Code: 214028, Alias 140-1

1.2. Intended Use of the Product

Use of the substance/mixture: Defense. For professional use only.

1.3. Name, Address, and Telephone of the Responsible Party

Company

Tech Ord

47600 180th Street

Clear Lake, SD 57226

605-874-2631

techord.net

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Expl. 1.4 H204

Acute Tox. 4 (Oral) H302

Acute Tox. 4 (Inhalation) H332

Carc. 1A H350

Repr. 1A H360

STOT RE 1 H372

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

Full text of H-phrases: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H204 - Fire or projection hazard.
H302+H332 - Harmful if swallowed or if inhaled.
H350 - May cause cancer.
H360 - May damage fertility or the unborn child.
H372 - Causes damage to organs through prolonged or repeated exposure.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS-US)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from open flames, sparks, heat, hot surfaces. - No smoking.
P240 - Ground/bond container and receiving equipment.
P250 - Do not subject to grinding, shock, friction.
P260 - Do not breathe dust, fume.
P264 - Wash hands, forearms, and exposed areas 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 face protection.
P281 - Use personal protective equipment as required.
P301+P312+ P330 - If swallowed: Rinse mouth. Call poison center or doctor if you

Electric Detonator, Detonator Assembly

Safety Data Sheet

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

feel unwell.

P304+P340+P312 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call poison center or doctor if you feel unwell.

P308+P313 - If exposed or concerned: Get medical advice or attention.

P314 - Get medical advice or attention if you feel unwell.

P370+P380 - In case of fire: Evacuate area.

P372 - Explosion risk in case of fire.

P373 - DO NOT fight fire when fire reaches explosives.

P391 - Collect spillage.

P401 - Store in accordance with local, regional, national, and international regulations.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. This article will create shrapnel upon function. Blast hazard/shrapnel from functioning of the product may cause physical harm.

2.4. Unknown Acute Toxicity (GHS-US) No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance Not applicable

3.2. Mixture

Name	Product Identifier	%	Classification (GHS-US)
Lead azide	(CAS No) 13424-46-9	37 - 75	Unst. Expl, H200 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Repr. 1A, H360 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Pentaerythrite tetranitrate	(CAS No) 78-11-5	25 - 63	Unst. Expl, H200 Acute Tox. 4 (Oral), H302
Normal lead styphnate	(CAS No) 15245-44-0	0 - 23	Expl. 1.1, H201 Carc. 1A, H350 Repr. 1A, H360 STOT RE 1, H372 Aquatic Chronic 2, H411
Nitrocellulose	(CAS No) 9004-70-0	0 - 0.3	Flam. Sol. 1, H228

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

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

First-aid Measures After Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a poison center, doctor, or physician if you feel unwell.

First-aid Measures After Skin Contact: Wash with plenty of soap and water. Get medical advice or attention if irritation occurs.

First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Call a poison center, doctor, or physician if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: The product is sealed preventing exposure to the hazardous ingredients inside. When discharged or otherwise exposed, dust, vapors, and/or fumes can result in both acute and chronic overexposure.

Symptoms/Injuries After Inhalation: Harmful if inhaled.

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

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

Symptoms/Injuries After Ingestion: Harmful if swallowed.

Electric Detonator, Detonator Assembly

Safety Data Sheet

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

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

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

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

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

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

Unsuitable Extinguishing Media: DO NOT fight fires involving explosives.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Heating may cause an explosion. Under fire conditions, hazardous fumes will be present.

Explosion Hazard: Explosive. Explosion risk in case of fire. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Reactivity: Hazardous reactions are unlikely to occur under normal circumstances.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: DO NOT fight fire when fire reaches explosives. Evacuate area.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Remove ignition sources. No naked lights. No smoking. Use special care to avoid static electric charges. Evacuate danger area. Do not allow product to spread into the environment.

6.1.1. For Non-emergency Personnel

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

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions

Avoid release to the environment. Hazardous waste due to potential risk of explosion. Prevent entry to sewers and public waters.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Ground equipment electrically. Remove ignition sources.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Collect spillage. Use only non-sparking tools.

6.4. Reference to Other Sections

See Section 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: This product is an explosive and should only be used under the supervision of trained and licensed personnel. Do not expose to heat or ignition sources as this could cause an explosion.

Precautions for Safe Handling: Obtain special instructions before use. Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking. Use grounded electrical/mechanical equipment. Use only non-sparking tools. Do not subject to grinding, shock, friction. Use only outdoors or in a well-ventilated area. Do not handle until all safety precautions have been read and understood. Do not breathe dust, fume. Wear recommended personal protective equipment.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

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

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store locked up. Keep in fireproof place.

Incompatible Materials: Copper, silver, mercury, cadmium, nickel, acids, bases, acetylene, chlorine, oxidants. Heat sources. Avoid ignition sources.

Electric Detonator, Detonator Assembly

Safety Data Sheet

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

7.3. Specific End Use(s) Defense. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

Lead azide (7439-92-1)		
USA ACGIH	ACGIH BEI (Blood Exposure Index)(ug/L)	200 ug/L
USA ACGIH	ACGIH TWA (mg/m ³)	0.05 mg/m ³
USA OSHA	OSHA PEL (mg/m ³)	0.05 mg/m ³
Normal lead styphate (7439-92-1)		
USA ACGIH	ACGIH BEI (Blood Exposure Index)(ug/L)	200 ug/L
USA ACGIH	ACGIH TWA (mg/m ³)	0.05 mg/m ³
USA OSHA	OSHA PEL (mg/m ³)	0.05 mg/m ³

8.2. Exposure Controls

Appropriate Engineering Controls

: Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Provide for an automatic sprinkler system. Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment

: Tweezers. Safety glasses. Protective clothing.



Materials for Protective Clothing

: For explosive-handling workers, caps and coveralls for full body (arms and legs) protection are recommended. Cotton coveralls, underwear, socks and conductive shoes are recommended to avoid human static discharge.

Hand Protection

: Handle parts with a tweezers.

Eye Protection

: Safety glasses should be worn that comply with ANSI Z87.1.

Skin and Body Protection

: Non-static creating clothing and conductive shoes should be worn.

Respiratory Protection

: Not required for normal handling.

Other Information

: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: Steel cup, color varies, encases a header which has two lead wires.
Odor	: None
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available
Explosive Properties	: Explosive; fire, blast or projection hazard.

Electric Detonator, Detonator Assembly

Safety Data Sheet

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

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions are unlikely to occur under normal circumstances.
- 10.2. Chemical Stability:** May explode in fire. Risk of explosion by shock, friction, fire or other sources of ignition.
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Sparks, open flame, shock, heat, electrostatic discharge, impact, impingement, and friction.
- 10.5. Incompatible Materials:** Copper, silver, mercury, cadmium, nickel, acids, bases, acetylene, chlorine, oxidants.
- 10.6. Hazardous Decomposition Products:** Carbon oxides (CO, CO₂). Nitrogen oxides. Lead compounds, lead dust/fume. Aldehydes, ketones.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Oral: Harmful if swallowed. Inhalation: Harmful if inhaled.

Lead azide (13424-46-9)	
ATE (Oral)	500.00 mg/kg body weight
ATE (Dust/Mist)	1.50 mg/l/4h
Pentaerythrite tetranitrate (78-11-5)	
LD50 Oral Rat	1660 mg/kg

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: May cause cancer.

Reproductive Toxicity: May damage fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure): Not classified

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

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Harmful if inhaled.

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

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

Symptoms/Injuries After Ingestion: Harmful if swallowed.

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

SECTION 12: ECOLOGICAL INFORMATION

No additional information available.

SECTION 13: DISPOSAL CONSIDERATIONS

No additional information available.

SECTION 14: TRANSPORT INFORMATION

No additional information available.

SECTION 15: REGULATORY INFORMATION

No additional information available.

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

Revision Date : 10/27/2023

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

Previous Version: 3.0

Reason for Revision: Updated lead compounds exposure controls.

GHS Full Text Phrases:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1

Electric Detonator, Detonator Assembly

Safety Data Sheet

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

Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 3
Carc. 1A	Carcinogenicity Category 1A
Expl. 1.1	Explosive Category 1.1
Expl. 1.4	Explosive Category 1.4
Flam. Sol. 1	Flammable Solids Category 1
Repr. 1A	Reproductive toxicity Category 1A
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
Unst. Expl	Unstable explosives
H200	Unstable explosives
H201	Explosive; mass explosion hazard
H204	Fire or projection hazard
H228	Flammable solid
H302	Harmful if swallowed
H332	Harmful if inhaled
H350	May cause cancer
H360	May damage fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

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

SDS US (GHS HazCom)

(FOD Economie - SPF Economie)

De: [redacted] <[redacted]@Challenge-Group.com>
Envoyé: vendredi, 26 janvier 2024 12:39
À: Shmb &Explo (FOD Economie - SPF Economie)
Cc: [redacted]
Objet: TR: DHL Global Forwarding Explosives Class 1.4B Booking / MAWB: 700-74135025
// HAWB: C072642
Pièces jointes: PS INV10006291.pdf; MSDS 214028 (1).pdf; INV10006291.pdf; 214028.pdf;
050749520 license.pdf; DG.PDF
Catégories: [redacted]

Bonjour à tous,

Je vous prie de trouver, en PJ, des documents concernant une demande d'autorisation de transport d'explosifs.

AWB 700-74135025.

Merci de bien vouloir nous accorder cette autorisation.

Bàv,



[redacted]
Customer Service Agent

Phone [redacted]

Mobile

Email [redacted]@Challenge-Group.com



Challenge Airlines 

Liege Airport- Building 26
Rue Saint Exupery, 26
4460 Grace-Hollogne

Belgium

www.cal-cargo.com

Challenge Group 

Challenge Accepted



MEET US AT AIR CARGO INDIA!

FEB 14-16, 2024

JIO WORLD CONVENTION CENTRE, MUMBAI – BOOTH 21



Government Shipment Authorization (if required):



From: TECH ORD
A DIVISION OF AMTEC CORP
47600 180TH STREET
CLEAR LAKE, SD 57226
USA

Acct No.: 00030

Bill To: ORION ADVANCED SYSTEMS LTD

ORION ADVANCED
10 NACHAL SNIR ST.
YAVNE, ISR 8122447
Israel

Invoice No.: INV10006291

Order No.: ORD406092

Invoice Date: 14 Dec 2023

Payment Terms: N60

Customer PO: 30262

Remit To: TECH ORD
A DIVISION OF AMTEC CORP
47600 180TH STREET
CLEAR LAKE, SD 57226
USA

Please Pay Invoice Total: [REDACTED] **USD**

Ship To: DHL GLOBAL FORWARDING (ALL
US LOCATIONS)
BUILDING 89 CARGO AREA C
JFK INTERNATIONAL AIRPORT
JAMAICA, NY 11430
USA

Ship Via: Export-TBD

PO Line	Ref No	Item	Description	Quantity	UOM	Unit Price	Ext Amount
1.1	107008	214028-1	TOA23H004-005	690.000	EA		
Your Item:		8028035G01- REV KT		Lot:		TOA23H004-005	
Comments:		License Received					

Thank you for your business!



U.S. Department
of Transportation

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

**Pipeline and Hazardous
Materials Safety Administration**

**The US Department of Transportation
Competent Authority for the United States**

CLASSIFICATION OF EXPLOSIVES
(Second Revision)

Based upon a request by Tech Ord, a division of AMTEC Corporation, 47600 180th St., Clear Lake, SD 57226, United States the following items are classed in accordance with Section 173.56, Title 49, Code of Federal Regulations (49 CFR). A copy of your application, all supporting documentation and a copy of this approval must be retained and made available to DOT upon request.

U.N. PROPER SHIPPING NAME AND NUMBER:

Detonators, electric, for blasting, UN0255

U.N. CLASSIFICATION CODE: 1.4B

REFERENCE NUMBER

EX1999060121

PRODUCT DESIGNATION/PART NUMBER

P/N: 214028 Detonator, Electric

NOTES: This classification is only valid when the detonators are packaged as follows:
Inner Packaging- Boxes, cardboard, each containing not more than ten (10) detonators, bundled together with half the detonators oriented in the opposite direction from the other half, overwrapped with foil and with sawdust as dunnage within the inner packaging box.
Outer Packaging- UN 4C1 wooden box or UN 4D plywood box, each containing not more than fifteen (15) inner packagings in up to 3 layers of 5 each, cushioned with not less than 1 inch of sawdust between the inner and outer packagings.

This approval as revised supersedes all previous versions.

DATED: 10/16/2014

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



APPROVE

License Number: 050749520	Date Issued: 11/24/2021	Months Valid: 48
-------------------------------------	-----------------------------------	----------------------------

License is hereby granted to the applicant for the commodity described in the attached application to be permanently exported from the United States. This license may be revoked , suspended, or amended by the Secretary of State without prior notice whenever the Secretary deems such action advisable.

The United States Government position on this case consists of this 1 page decision memo and the attached 8 page application. Both must be present for the USG position to be valid.

The POC for this USG action is Catherine Darr-Le, 202-663-2022, darrc@state.gov.

UNITED STATES OF AMERICA DEPARTMENT OF STATE

APPLICATION FOR PERMANENT EXPORT OF UNCLASSIFIED DEFENSE ARTICLES, RELATED TECHNICAL DATA, AND DEFENSE SERVICES

1. Date Prepared	2. DDTC Registration Code	3. Country of Ultimate Destination	4. Probable Port of Exit from U.S.
11/09/2021	M12671	Israel	All US Ports

5. Applicant

Applicant Type: Manufacturer
National Presto Industries, Inc.
Attention: Britanie Sander
3925 N. Hastings Way
Eau Claire WI 54703 United States
605-874-3450

Subsidiary

Tech Ord A Division of AMTEC Corporation
Attention: Britanie Sander
47600 180th St.
Clear Lake SD 57226 United States
605-874-3450

6. U.S. Government Personnel (not PM/DDTC) Familiar with Commodity**7. Applicant Contact for Additional Information**

Britanie Sander
605-874-3450

8. Description of Transaction

A. This application represents ONLY a completely new shipment

B. This Application has related license

☒ was licensed to the country in Block 3 of the first page under license #

- 050737817

- 050742680

☐ was licensed to other countries under license #

☐ was returned without action under voided license #

☐ was denied to the country in Block 3 of the first page under voided license #

C. This Application is in reference to agreement

D. If the commodity is being financed under


☒ Not Applicable

☐ Foreign Military Sale #

☐ Foreign Military Financing #

☐ Grant Aid Program #

E. This application is related to a disclosure filed with Defense Trade Controls Compliance ☒ No ☐ Yes

Item	9. Quantity	10. Commodity	11. USML Category	12. \$ Value
1	Quantity: 1400 Unit Type: Pieces	Tech Ord PN 234202 Bellows Actuator - To be assembled and operated in Fuzes that will be used by Orion Advanced Systems for testing. Defense Article Type: Hardware	IV (h(9))	

2	Quantity: 1 Unit Type: Items	Tech Ord PN 234202 Bellows Actuator Technical Data - Unclassified Technical Data related to testing, to included form, fit, function, specifications, applicable drawings, qualification and acceptance test procedure, test reports, mechanical tests, necessary to ensure products are built to specification. Defense Article Type: Technical Data	IV (i)	■
3	Quantity: 700 Unit Type: Pieces	Tech Ord PN 214028 Electric Detonator - To be assembled and operated in Fuzes that will be used by Orion Advanced Systems for testing. There is an Export License fee of \$1,250, which is reflected on the purchase order for this item. Defense Article Type: Hardware	IV (h(9))	■■■■■
4	Quantity: 1 Unit Type: Items	Tech Ord PN 214028 Electric Detonator Technical Data- Unclassified Technical Data related to testing, to included form, fit, function, specifications, applicable drawings, qualification and acceptance test procedure, test reports, mechanical tests, necessary to ensure products are built to specification. Defense Article Type: Technical Data	IV (i)	■
13. Total Value				■■■■■

14. Foreign End-User

Orion Advanced Systems Ltd.
Nachal Snir 10
81101 Yavne Israel

15. Manufacturer of Commodity

Tech Ord A Division of AMTEC Corporation
47600 180th St.
Clear Lake SD 57226 United States

16. Foreign Consignee

Orion Advanced Systems Ltd.
Nachal Snir 10
81101 Yavne Israel

17. Source of Commodity

Tech Ord A Division of AMTEC Corporation
47600 180th St.
Clear Lake SD 57226 United States

18. Foreign Intermediate Consignee

☒ None

19. U.S. Seller

Tech Ord A Division of AMTEC Corporation
47600 180th St.
Clear Lake SD 57226 United States

20. Specific Purpose

- ☐ Off-Shore procurement
- ☐ Brokering (22 CFR 129)
- ☐ Request for Prior Approval (22 CFR 126.8)
- ☒ Other

To be assembled and operated in Fuzes that will be used by Orion Advanced Systems for testing. The testing will be done on the ID 260MF Fuze production line to ensure the ongoing quality of the products.

21. U.S. Consignor/Freight Forwarder

DHL Global Forwarding (All US Locations)
Building 89 Cargo Area C JFK International Airport
Jamaica NY 11430 United States

22. Applicant's Statement

I, Britanie Sander, an empowered official (22 CFR 120.25) or an official of a foreign government entity in the U.S., hereby apply for a license to complete the transaction described above; warrant the truth of all statements made herein; and acknowledge, understand and will comply with the provisions of 22 CFR 120-130, and any conditions and limitations imposed.

I am authorized by the applicant to certify the following in compliance with 22 CFR 126.13:

(1) Neither the applicant, its chief executive officer, president, vice presidents, other senior officers or officials (e.g., comptroller, treasurer, general counsel) nor any member of its board of directors is:

(a) the subject of an indictment for or has been convicted of violating any of the U.S. criminal statutes enumerated in 22 CFR 120.27 since the effective date of the Arms Export Control Act, Public Law 94-329, 90 Stat. 729 (June 30, 1976); or

(b) ineligible to contract with, or to receive a license or other approval to import defense articles or defense services from, or to receive an export license or other approval from any agency of the U.S. Government;

(2) To the best of the applicant's knowledge, no party to the export as defined in 22 CFR 126.7(e) has been convicted of violating any of the U.S. criminal statutes enumerated in 22 CFR 120.27 since the effective date of the Arms Export Control Act, Public Law 94-329, 90 Stat. 729 (June 30, 1976); or is ineligible to contract with, or to receive a license or other approval to import defense articles or defense services from, or to receive an export license or other approval from any agency of the U.S. Government; and

22 CFR 126.13 Certification

☒ a. I am authorized by the applicant to certify that the applicant and all the parties to the transaction can meet in full the conditions of 22 CFR 126.13 as listed above.

☐ b. I am authorized by the applicant to certify to 22 CFR 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR 126.13 as listed above. A request for an exception to policy, as described in 22 CFR 127.11 of the ITAR, is attached.

☐ c. I am authorized by the applicant to certify to 22 CFR 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR 126.13 as listed above. However that party has met the conditions imposed by the Directorate of Defense Trade Controls in order to resume standard submission of applications, not requiring an exception to policy as described in 22 CFR 127.11 of the ITAR.

☐ d. I am not authorized by the applicant to certify the conditions of 22 CFR 126.13. The applicant and all the parties to the transaction can meet in full the conditions of 22 CFR 126.13 as listed above. Please see the attached letter from an official that is authorized by the applicant to certify to the conditions of 22 CFR 126.13.

☐ e. I am not authorized by the applicant to certify the conditions of 22 CFR 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR 126.13 as listed above. A request for an exception to policy, as described in 22 CFR 127.11 of the ITAR, and a letter from an official that is authorized by the applicant to certify to the conditions of 22 CFR 126.13 are attached.

___ f. I am not authorized by the applicant to certify to 22 CFR 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR 126.13 as listed above. However that party has met the conditions imposed by the Directorate of Defense Trade Controls in order to resume standard submission of applications, not requiring an exception to policy as described in 22 CFR 127.11 of the ITAR. Please see the attached letter from an official that is authorized by the applicant to certify to the conditions of 22 CFR 126.13.

Compliance with 22 CFR 130

☒ This transaction does not meet the requirements of 22 CFR 130.2.

___ This transaction meets the requirements of 22 CFR 130.2. The applicant or its vendors have not paid, nor offered, nor agreed to pay, in respect of any sale for which a license or approval is requested, political contributions, fees or commissions in amounts as specified in 22 CFR 130.9(a).

___ The applicant or its vendors have paid, or offered, or agreed to pay, in respect of any sale for which a license or approval is requested, political contributions, fees or commissions in amounts as specified in 22 CFR 130.9(a). Information required under 22 CFR 130.10 is attached.

___ I am not authorized by the applicant to certify the conditions of 22 CFR 130.9(a). Please see the attached letter for such certification.

CONDITIONS OF ISSUANCE

1. This license is issued under the conditions cited in 22 CFR 120-130, including the conditions and limitations as applicable, that:

A. It shall not be construed as implying U.S. Government approval or commitment to authorize future exports of any defense article (hardware or technical data) on the U.S. Munitions List (USML), or a U.S. Government commitment with regard to any proposed manufacturing license, technical assistance or distribution agreement that may result from a license or other approval.

B. If a license is issued for technical data only, it does not authorize the export of any hardware; if a license is issued for hardware only, it does not authorize the export of any technical data, unless specifically authorized by an exemption.

C. The issuance of this license does not release the applicant, or anyone acting on their behalf, from complying with other requirements of U.S. law and regulations.

D. This transaction may be subject to end-use monitoring by the United States Government.

2. The prior written approval of the Department of State, Directorate of Defense Trade Controls, must be obtained before USML defense articles exported from the U.S. using a license or other approval, to include an ITAR exemption, may be resold, transferred, diverted, transshipped, re-exported to, or used in any country, or by any end user or for any end use, other than that described on the license or other approval.

DISPOSITION OF LICENSE

The final disposition of this license shall be in accordance with 22 CFR 123.22(c).

ENDORSEMENT

Indicate below which COMMODITY is BEING EXPORTED and maintain a CONTINUING BALANCE of the remaining value:

SHIPMENT DATE	QUANTITY	COMMODITY	SHIPMENT VALUE	XTN/ITN	INITIALS	PORT OF EXIT/ENTRY
------------------	----------	-----------	-------------------	---------	----------	-----------------------

TOTAL AUTHORIZED VALUE:

REMAINING BALANCE:

NOTE: Continuation of additional shipments must be authenticated by use of continuation sheets in the U.S. Customs handbook.

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

(Provide at least three copies to the airline.)

Shipper
TECH ORD
47600 180TH STREET
CLEAR LAKE, SD 57226
USA

Air Waybill No.

Page 1 of 1 Pages

Shipper's Reference Number
(optional)

Consignee

ORION ADVANCED SYSTEMS LTD.
NACHAL SNIR 10
81101 YAVNE ISRAEL

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

PASSENGER	CARGO
AIRCRAFT	AIRCRAFT
ONLY	ONLY

Airport of Destination:

WARNING

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

Shipment type: (delete non-applicable)

NON-RADIOACTIVE

NATURE AND QUANTITY OF DANGEROUS GOODS

Dangerous Goods Identification				Quantity and type of packaging	Packing Inst.	Authorization
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Packing Group			
UN0255	DETONATORS, ELECTRIC, FOR BLASTING	1.4B		7 WOODEN BOXES (4C) (X) N.E.W. 0.036 KGS N.E.T. 0.251KGS GROSS WT 25.000 LBS/ 11.340 KGS	131	EX: 1999060121
UN0255	DETONATORS, ELECTRIC, FOR BLASTING	1.4B		1 WOODEN BOX (4C) (X) N.E.W. 0.024 KGS N.E.T. 0.167 KGS GROSS WT 24.000 LBS/ 10.886	131	EX: 1999060121

Additional Handling Information

Handle Carefully, Keep Fire Away IATA Used

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 **Rebecca Burns /
Shipping**

Place and Date

Clear Lake, SD
12/07/23Signature
(see warning above)

Chemtrec-CCN21879
US-Canada 1-800-424-9300
Outside US-Canada +1-703-527-3887

Emergency Telephone Number

FOR RADIOACTIVE MATERIAL SHIPMENT ACCEPTABLE FOR PASSENGER AIRCRAFT, THE SHIPMENT CONTAINS RADIOACTIVE MATERIAL INTENDED FOR USE IN OR
INCIDENT TO RESEARCH, MEDICAL DIAGNOSIS, OR TREATMENT. ADR EUROPEAN TRANSPORT STATEMENT: CARRIAGE IN ACCORDANCE WITH 1.1.4.2.1