



Commercial in Confidence

Spectronix Ltd.	SAFETY DATA SHEET	Ref.: TD100268 Date: 31/12/12
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1. PRODUCT / MANUFACTURER IDENTIFICATION

PRODUCT

CARTRIDGE, POWER DEVICE UN 0323
1.4S, Pkg. Gr. II
DOT - EX 2013030077
Spectronix Cat. No. TD100268,
CARTRIDGE, POWER DEVICE ASSEMBLY P/N 622314
Net Explosive Weight 0.4 grams per unit.

COMPANY / MANUFACTURER

<u>Registered Office</u>	<u>Manufacturer Address</u>
Spectronix Ltd. Industrial Area, P.O.B 29, Sderot, 80150, Israel	Spectronix Ltd. Industrial Area, P.O.B 29, Sderot, 80150, Israel Tel: 972-8-6875444; Fax: 972-8-6899178

2. COMPOSITION / INGREDIENT INFORMATION

(Description/names/references of pyrotechnics components used in the product)

Fuse head – 0.01 gr

Propellant – 0.23 gr

Black powder – 0.12 gr

Total mass of energetic materials:

0.4 Gr. (max.)

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3. HAZARD IDENTIFICATION

Risk classification	1.4 S	
- Pyrotechnic: Heat and naked flame may cause the cartridge ignition. - Other:	In Packing: - Detonation in lump: NON - Toxic gas emission: NON	Out of Packing: - Detonation in lump: Yes - Toxic gas emission: NON

4. FIRST AID MEASURES

Contact with substances and/or with the decomposition product:

Inhalation : N.A.

Eyes contact : N.A.

Ingestion : N.A.

Skin contact : N.A.

5. FIRE-FIGHTING MEASURES

In case of fire evacuate people from the area.

Secure vicinity, keep unauthorized persons away.

Remove scattered load.

Try to extinguish with plenty of water,

Fight adjacent fire with all available means: water, extinguishing powder, etc.

Prevent fire from reaching product.

Remove all flammable articles from the dangerous zone.

Drive vehicles away from fire zone.

6. ACCIDENTAL RELEASE MEASURES

Avoid shocks and everything that can produce fire.

Keep away from heat and flame.

In case of packing rupture transfer the products to similar packing only by authorized persons.

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7. HANDLING AND STORAGE
<p><u>Handling:</u> As any standard cartridge</p> <p>Keep away from heat sources and naked flame.</p> <p>All equipment must be connected to grounding system.</p> <p><u>Storage:</u> In dry place. According to national regulation.</p> <p>Temperature: -50 - +72°C Hygrometry: Outdoor</p>
8. PERSONAL PROTECTION/EXPOSURE CONTROL
<p>Fire, heat, electrostatic discharge may cause ignition.</p> <p>The worker shall use cotton clothes, Anti-static shoes, safety goggles.</p>
9. PHYSICAL AND CHEMICAL PROPERTIES
Decomposition state: N.A
10. STABILITY AND REACTIVITY: Stable at -50 - 72°C. Ignite at > 200°C
<p>Avoid contact with naked flame and temperature above.</p> <p>Vibration sensitivity: N.A</p> <p>Shock sensitivity: N.A.</p> <p>Drop sensitivity: N.A.</p> <p>Others: Not Applicable</p>
11. TOXICOLOGICAL INFORMATION
According to theoretical chemical equation and our test knowledge there are no toxicological effects.
12. ECOLOGICAL INFORMATION:
No effects.
13. DISPOSAL CONSIDERATION
<p>According to guidelines for destruction of cartridge.</p> <p>In specific proper use waster disposal is not required.</p> <p>Dispose of in an approved disposal area.</p>

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14. TRANSPORT

Official name for transport: CARTRIDGE, POWER DEVICE

UN identification Number: 0323

Packing method: 142 according IMDG code

15. REGULATORY INFORMATION

Subject to DOD 4145.26-M, dated July 1997.

Transport of Dangerous Goods, 12 Edition, UN

IMDG Code.

16. OTHER INFORMATION

Handling of pyrotechnic based products should only allowed to qualified, experienced personnel and in accordance with national regulations.

In case of appropriate handling no toxic or ecological risks are to be expected.

The user should pay attention that an abnormal use of a product with pyrotechnics based components may modify its initial properties.

The information contained herein based on the present state of our knowledge. It serves as a guideline on proper handling of the product.