

Safety Data Sheet

Cartridges, Power Device, UN0323

Revision Date 20 February 2017

1. PRODUCT IDENTIFICATION:

Product name: Cartridges, Power Device, UN0323
 1.4S, PG II
 US DOT Reference EX-2014040061
 (Assembly, Actuator Valve, CAD P/N 074155-1)

Importer / Supplier: Fire Protection Technologies

Address: Unit 1/251 Ferntree Gully Road
 Mt Waverley, Victoria, 3149 Australia.

Telephone Number: 1300 742 296

Emergency Tel No: 24 hours 1300 742 296

Emergency Services: Dial 000

SDS Preparer: Fire Protection Technologies

2. HEALTH HAZARD(S) IDENTIFICATION:

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION ACCORDING TO REGULATION (EC) No 1272/2008



GHS EXPLOSIVE

P210-Keep away from heat, open flames, sparks. – No smoking

P243 – Take precautionary measures against static discharge

P280 – Wear eye protection

DANGER Extremely --EXPLOSIVE--
 Keep away from heat and keep shunted.

3. INGREDIENT COMPOSITION:

Chemical and common name of Hazardous chemical ingredients:

<u>** COMMON NAME</u>	<u>CAS NO.</u>
Lead Thiocyanate	000592-87-0
Nitroglycerin	000055-63-0
Potassium Chlorate	003811-04-9



4. FIRST AID MEASURES:

Emergency and First Aid Procedure: applying	Treat burns and any laceration by cleaning and sterile bandages. Transport individual for further medical treatment.
Primary Route of Entry:	N/A (Actuator is intact)
Cancer Information:	None
Reported effects on Humans:	N/A
Other:	N/A (Actuator is intact)

5. FIRE-FIGHTING MEASURES:

Extinguisher Media:	Permanently-installed, automatic water sprinkler/ deluge system is recommended
Special Fire-Fighting Procedures:	None (Do not fight fires involving explosives)

6. ACCIDENTAL RELEASE MEASURES:

Steps to be taken if material is spilled: (applies only if actuator is ruptured)
Clean spill after liberally wetting down with solvent (Acetone, Butyl Acetate or Alcohol) by wiping material up with paper towels or with cotton rag. Keep a fire extinguisher present. Wear safety glasses, protective gloves, and non- static generating clothing during clean up or transfer operation.

7. HANDLING AND STORAGE

Handling and Storage precaution: Recommended storage 70°F, DO NOT STORE WITH INITIATING EXPLOSIVES

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Appropriate Hygienic Practices:	N/A
Personal Protective Equipment:	Safety glasses, nitrile gloves & grounding devices (ground straps and/or conductive footwear).
Work Practices:	Avoid high temperatures; Wear personal protective equipment. Work behind shielding and keep Actuator shunted.
Engineering Controls:	Work with device in a shielded area, keep shunted until installed. Avoid physical shock.



9. PHYSICAL AND CHEMICAL PROPERTIES:

Flash Point:		N/D	
Flammable Limits:		None, Explosive Device	
Auto-Ignition Temperature:		225° F	
Boiling point:	N/A	Solubility in water:	N/A
Specific gravity:	N/A	pH:	N/D
Vapor Pressure:	N/D	Evaporation Rate:	N/A
% Volatile:	Negligible.	Appearance:	N/A
Odor:	N/A		

10. STABILITY AND REACTIVITY:

Grounding Procedure:	Keep shunted when handling and during storage.
Stability Considerations:	Stable.
Incompatibility:	Shock, impact, friction, electrostatic discharge, high pressure, high temperature, open flame, or chemical or physical contamination.
Hazardous Decomposition Products:	None.
Hazardous Products of Combustion:	Flame, high heat, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen chloride, trace cyanide compounds, oxides and salts of lead. Under certain conditions, device can propel high velocity particles on initiation.
Hazardous Polymerization:	None.

11. TOXICOLOGICAL INFORMATION

** All information applicable only if the cartridge ruptures before initiation. Hazardous decomposition products: N/A

12. ECOLOGICAL INFORMATION

Waste Disposal Method:
Remotely initiate individual Actuators in a restraining fixture or burn in the open in an isolated location. Disposal must be in accordance with local, state, and Federal regulations.

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14. TRANSPORTATION INFORMATION:

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15. REGULATORY INFORMATION:

Protective Measures during Repair and Maintenance:
Eliminate static discharge sources. Avoid flame or high heat. Shield the device when working with the device.

16. OTHER INFORMATION:

DISCLAIMER:

The above information was taken from various published and unpublished sources and is believed to be accurate and to represent the best information currently available to us. However, we make no warranty, expressed or implied, of the accuracy of such information, and assume no liability resulting from its use. Users should make their own investigation to determine suitability of the information for their particular purposes.

THIS UNIT IS NOT USER SERVICEABLE. DO NOT ATTEMPT DOWNLOADING OR DISASSEMBLING.
Net Reactive Material Content: 1.775 grams maximum per unit.

END OF MSDS