



# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION SUBSTANCE/PREPARATION AND COMPANY

**Product Name** CARTRIDGES FOR POWDER ACTUATED CARTRIDGE TOOLS  
**Chemical Name & Synonyms** Not Applicable  
**Company** Owlett-Jaton, Unit 07 Princess Court, Horace Rd, Kingston, Surrey KT1 2SL  
Information and emergencies 020 8546 6545

## 2. COMPOSITION/INFORMATION OF INGREDIENTS

Hazardous Components:	Description	Cas Number	Percentage
Propellant	Nitrocellulose	9004-70-0	7-13%
	Nitroglycerine	55-63-0	0.5-2%
Primer	Dibutylphthalate	84-74-2	7-13%
	Copper	7440-50-8	0-5%
	Zinc	7440-66-6	0-5%
	Lead Styphnate	15245-44-0	0-5%
	Barium Nitrate	10022-31-8	0-5%

## 3. HAZARDS IDENTIFICATION

None likely due to nature of sealed cartridge

## 4. FIRST AID MEASURES *(Summon immediate medical assistance after contact with eyes, inhalation or ingestion)*

No Contact with hazardous components likely but wash hands thoroughly with soap and water in after handling.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media** Water spray, and foam.  
**Exposure Hazards** Explosive. If involved in fire may represent an explosive hazard.  
**Fire Fighting Equipment** Wear self contained breathing equipment

## 6. ACCIDENTAL RELEASE MEASURES

Scrape up using non-metallic tools and place in a suitable container for disposal. Wash area with water do not empty into drains.  
Contact supplier for disposal

## 7. HANDLING AND STORAGE

No special measures necessary if used correctly. Keep in a cool place, out of direct sunlight and away from sources of ignition.  
Do not subject to mechanical shock

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

None in normal use

**Respiratory** Not applicable  
**Ingestion** Unlikely during normal use.      **Skin Protection** Not applicable  
**Eye Protection** Wear safety glasses when in use with Cartridge Tool. Follow all Cartridge Tool guidelines

## 9. PHYSICAL/CHEMICAL PROPERTIES

Appearance	Cylindrical Brass Cartridge	Odour	N/A
Viscosity	N/A	Density	N/A
Melting Point	N/A	Boiling Point	N/A
Flammability	N/A	Flash Point	N/A
Vapour Pressure	N/A	Auto-Flammability	N/A
Partition Coefficient	N/A	pH	N/A
		Solubility in water	Insoluble

**10. STABILITY AND REACTIVITY**

**Stability:** Stable, Shelf Life 25 - 30 years  
**Hazardous Decomposition:** Nitrogen oxides, Carbon Monoxide, Carbon Dioxide, Lead Oxides, Lead/dust fumes.

**11. TOXICOLOGICAL INFORMATION**

**Acute oral toxicity** No Data  
**Acute dermal toxicity** No Data  
**Acute inhalation toxicity** No Data

**Experiences made in practice** Particles from firing may be harmful if inhaled  
**General remarks** Follow guidelines relating to use of Cartridge Tools

**12. ECOLOGICAL INFORMATION**

No known risk to Ecology in cartridge format.

**13. DISPOSAL CONSIDERATIONS**

Dispose of as explosive waste. Do not incinerate.

**14. TRANSPORT INFORMATION**

**Supply label:** Cartridge Powere Device Class 1.4S.  
 U.N.number 0323  
 IATA Class 1.4S  
 ADR Class 1.4S

**15. REGULATORY INFORMATION**

**Labelling:** Explosive 1.4S

Notification of Local Authority is required when product is stored for resale.  
 Refer to BS4078 with regard to storage and use on site.

**16. OTHER INFORMATION**

**Our Ref:** Cartridges - Power Device  
**Date of preparation:** January 2005

The above information has been compiled from that provided by our suppliers and other sources. None of the original information relating to hazards or potential hazards has been omitted and so the absence of a particular reference merely implies either that such information has not been determined or that it is not applicable. Should amendments become necessary, these will be published in future issues. The above information is furnished without warranty of any kind. Users should consider this data only as a supplement of other information gathered by them and make independent determination of suitability and completeness of information from all sources to ensure proper use and disposal of these materials and the safety of employees and customers.



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