	Safety Data Sheet	Document Status	ISSUED
		Document ID	710
	(SDS) ELEY "CASH" Blanks	Issue	6.00
		Date	20/05/21

Section 1: Identification

1.1 Identification

Product identifier:	0.22 & 0.25 Calibre Blank Cartridges.
Other identification:	Cartridges for Tools, Blank, Article, 0.22 & 0.25 Small Arms Blank Cartridges, 0.22 & 0.25 Cartridges for Weapons Blank 1.4S, Power Loads

1.2 Recommended use of Article and Restrictions on use of Article

Not Applicable

1.3 Details of the Supplier

ELEY Ltd
Selco Way, Off First Avenue
Sutton Coldfield,
West Midlands,
B76 1BA.

44 (0) 121 313 4558

www.eley.co.uk

1.4 Emergency Contact

+44 (0) 121 313 4558

Section 2: Hazard Identification

The dismantling of the article is prohibited. The article contains hazardous substances not intended to be released under normal or reasonably foreseeable conditions of use.

2.1 Classification of the Article

1.4S


2.2 Label Elements



GHS01: Explosive, GHS07: Health Hazard and GHS03: Oxidising

H204 – Fire or Projection Hazard

TEMPLATE	USER REFERENCE	DOCUMENT OWNER	PAGE
EF-038	SDS Eley Cartridges Blanks	Stewart Morris	1 OF 7

	Safety Data Sheet	Document Status	ISSUED
		Document ID	710
		Issue	6.00
		Date	20/05/21

(SDS) ELEY "CASH" Blanks

2.3 Other Hazards

No additional Information available

2.4 Unknown Acute Toxicity

Not Applicable

Section 3: Composition/Information On Ingredients

3.1 Substances

The article consists of case (94.6%), powder (2.6%) and primer (2.8%)

1 – Case (brass): Copper and Zinc

2 – Propellant: Nitrocellulose, Nitroglycerin, Diphenylamine, Graphite

3- Primer: Lead Styphnate, Barium Nitrate, Tetrazene, Ground Glass, Lead(II)- oxide, Styphnic acid

3.2 Mixtures

Name	Product identifier	Approx. %	GHS classification
Lead Styphnate	15245-44-0	Max 2	H200, H201, H302, H332, H360f, H373, H410, H412
Tetrazene	109-27-3	<0.5	H201, H312, H319
Barium Nitrate	10022-31-8	<0.5	H272, H302, H319, H332
Diphenylamine	122-39-4	<0.1	H301, H311, H331, H373, H410
Nitroglycerin	55-63-0	Max 1	H200, H301, H310, H330, H373, H401, H411
Copper	7440-50-8	64-68	H410
Zinc	7440-66-6	24-28	H250, H260, H411
Nitrocellulose	9004-70-0	2	H203, H228
Graphite	7440-44-0	<0.1	H200, H300, H310, H330, H373, H411

Section 4: First Aid Measures

4.1 Description of First Aid Measures

INHALATION: Remove from exposure. Get medical attention if experiencing effects of overexposure.

SKIN CONTACT: Wash thoroughly with soap and water. If physical injury has occurred seek immediate medical attention.

EYES: If chemicals enter the eyes, flush with copious quantities of water for at least 15 minutes. Get medical attention if irritation persists.

INGESTION: Do not induce vomiting, seek immediate medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Not expected to present a significant hazard under anticipated conditions of normal use

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

TEMPLATE	USER REFERENCE	DOCUMENT OWNER	PAGE
EF-038	SDS Eley Cartridges Blanks	Stewart Morris	2 OF 7

(SDS) ELEY "CASH" Blanks

No additional Information available

Section 5: Fire Fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media	Water, Water Spray
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Unsuitable extinguishing media	None known
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5.2 Special Hazards Arising

None Known

5.3 Advice for Firefighters

Must be protected from explosion of material. Normal fire-fighting attire will provide limited protection at certain distances if product is packaged. Product may explode if heated above 200 degrees C.

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Remove ignition sources. Evacuate unnecessary personnel. Equip clean-up crew with proper protection. The recommended means of disposal of scrap is by incineration.

6.2 Environmental Precautions

Prevent from entering sewers or ground water

6.3 Methods and Materials for Containment and Cleaning Up

Pick up loose cartridges only by hand, any exposed ingredients should be collected using non-sparking tools and incinerated. Incineration must be at a fully permitted facility designed and permitted in accordance with regulations

6.4 Reference to Other Sections

For information on safe handling see section 7, personal protective equipment see section 8, for waste disposal see section 13

Section 7: Handling and Storage


7.1 Precautions for Safe Handling

General	Do not subject to impact, friction, heat and avoid electrical current or static discharge.
Hygiene	Do not eat or drink when using this product. Wash hands after handling.

7.2 Conditions for Safe Storage including any Incompatibilities

Store in original packaging in a cool dry place away from fire, do not crush or drop packages. Avoid ignition sources e.g.: heat, electrical current. Store away from strong base or acids.

TEMPLATE	USER REFERENCE	DOCUMENT OWNER	PAGE
EF-038	SDS Eley Cartridges Blanks	Stewart Morris	3 OF 7

	Safety Data Sheet	Document Status	ISSUED
		Document ID	710
	(SDS) ELEY "CASH" Blanks	Issue	6.00
		Date	20/05/21

Articles are packaged and shipped in accordance with applicable carriage of dangerous goods (ADR) regulations.
Keep out of reach of children.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Workplace Exposure Limit (WEL) 8-hour time weighted average (TWA).
Lead Fume 0.15mg/m³, in accordance with UK law.
Check your local Threshold Limit Value (TLV), for your country.

8.2 Exposure Controls

Engineering Controls

Ventilation

Mechanical ventilation must be provided if necessary, to keep the exposure levels below the exposure limits.

Personal Protective Equipment

Respiratory

If airborne concentration exceeds the Workplace Exposure Limit (WEL), wear respiratory protection in accordance with local regulations.

Hearing

If noise levels exceed the maximum regulatory exposure levels while firing this product, use hearing protection.

Eye

Wear approved goggles or safety glasses.

Skin

If good personal hygiene practices are observed after firing this product, skin exposure problems are not anticipated.

General Hygiene

Do not eat or drink whilst using this product

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance (physical state, colour, etc).	Component, cylindrical brass case with rimmed head, crimped mouth and no projectile.
Odour:	N/A = Not Applicable
Odour threshold:	N/A
pH:	N/A
Melting point/freezing point:	N/A
	N/A

TEMPLATE	USER REFERENCE	DOCUMENT OWNER	PAGE
EF-038	SDS Eley Cartridges Blanks	Stewart Morris	4 OF 7

(SDS) ELEY "CASH" Blanks

Initial boiling point and boiling range:

N/A

Flash point:

N/A

Evaporation rate:

N/A

Flammability (solid gas):

N/A

Upper/lower flammability of explosive Limits

N/A

Vapour pressure:

N/A

Vapour density:

N/A

Relative density:

N/A

Solubility(ies):

N/A

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature:

N/A

Viscosity:

N/A

Section 10: Stability and Reactivity

10.1 Reactivity

This product is normally stable however, because of the design of ammunition and its components, partial detonation upon impact, friction or intense heat may occur. Mass detonation will not occur.

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of Hazardous reactions

Partial detonation upon impact or intense heat may occur.

10.4 Conditions to avoid


Ignition sources, particularly fire.

10.5 Incompatible materials

Strong acids, bases, and oxidising agents

10.6 Hazardous decomposition products

Toxic fumes including Carbon and Nitrogen Oxides

	Safety Data Sheet	Document Status	ISSUED
		Document ID	710
	(SDS) ELEY "CASH" Blanks	Issue	6.00
		Date	20/05/21

Section 11: Toxicological information

11.1 Information on toxicological effects

No Information available

Section 12: Ecological information

12.1 Information on Ecological effects

No harmful effects are to be expected if used properly. Damaged article can leak components which can cause eco toxicological effects. The dismantling of the article is prohibited

Section 13: Disposal considerations

13.1 Waste treatment methods

Brass of fired cases can be recycled. Dispose of in a safe manner in accordance with local regulations.

Section 14: Transport information

UN Number	UN Proper Shipping name	Transport Hazard class	Packing group	Transport in Bulk	Special Precautions
UN0014	CARTRIDGES FOR WEAPONS, BLANK or CARTRIDGES, SMALL ARMS, BLANK or CARTRIDGE FOR TOOLS, BLANK	1.4S	N/A	Limit Quantity 5kg NEQ, ADR, RID, IMDG & IATA For quantities above LQ use UN 4G/Y27/**/GB/6834	Smoking and the use of fire or naked flames are not recommended on vehicles carrying cartridges or in their vicinity during loading or unloading.

Section 15: Regulatory Information


15.1 Safety, Health and Environmental regulations/ legislation specific for the substance or mixture

This product is classified and labelled according to the UK regulations or respective laws

15.2 Chemical Safety Assessment

A chemical safety assessment has not been conducted on this product

TEMPLATE	USER REFERENCE	DOCUMENT OWNER	PAGE
EF-038	SDS Eley Cartridges Blanks	Stewart Morris	6 OF 7

	Safety Data Sheet	Document Status	ISSUED
		Document ID	710
	(SDS) ELEY "CASH" Blanks	Issue	6.00
		Date	20/05/21

Section 16: Other Information

To avoid serious injury, use articles only in tools of good condition and originally chambered for a particular calibre. Always keep the tool free of any obstruction. If the tool fails to fire, a delayed firing may occur, the tool may fire upon being opened, wait 30 seconds. Avoid exposure to bolt and carefully unload.

All hazards marked are not expected to be present unless the product is fired, or otherwise discharged so that gasses, fumes, are created. Normal handling and shipping should not cause exposure to these hazards.

Date of Preparation: See date of Issue

H200: Unstable Explosive

H201: Explosive; mass explosion

H203: Explosive fire blast or projection hazard

H228: Flammable Solid

H250: Catches fire spontaneously if exposed to air

H260: In contact with water releases flammable gases which may ignite spontaneously,

H272: May intensify fire, oxidiser

H300: Fatal if swallowed

H301: Toxic if Swallowed

H302: Harmful if swallowed

H310: Fatal in contact with Skin

H311: Toxic in contact with skin

H312: Harmful in contact with skin

H319: Causes serious eye irritation

H330: Fatal if inhaled H331: Toxic if inhaled

H332: Harmful if inhaled

H360f: May damage fertility

H373: May cause damage to organs through prolonged or repeated exposure,

H401: Very Toxic to aquatic life

H410: Very Toxic to aquatic life with long lasting effects

H411: Toxic to aquatic life with long lasting effects

H412: Harmful to aquatic life with long lasting effects

TEMPLATE	USER REFERENCE	DOCUMENT OWNER	PAGE
EF-038	SDS Eley Cartridges Blanks	Stewart Morris	7 OF 7

