

# SAFETY DATA SHEET



## ECO-KINETIC PROJECTILES

HD70100-02 Version 1.3

Date Compiled: 15/12/2021

Revised: 05/04/2023

Prior to use, ensure this document is the most recent version.

COMPANY PROPRIETARY INFORMATION

### SECTION 1 – PRODUCT & COMPANY INFORMATION

**Product Name:** Byrna Eco-Kinetic Projectile

**Reference Number:** MJMF1335

**Identification:** Green coated spherical projectile

**Packaging: bulk or branded plastic**

Plastic tube size: 5 rounds.

Plastic jar sizes: 25 rounds, 95 rounds.

Carton box size: 400 rounds.

Bulk: 6000 rounds packaged in a cardboard box.

**Product use:** Single-use inert projectile practice round compatible with applicable Byrna devices.

**Company name and contact information:**

Company name: Byrna SA (Pty) Ltd Tel: +27 86 182 0031

49 Robberg Close, N4 Gateway Industrial Park, Pretoria, 0184, South Africa

### SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture: GHS - Not classified as hazardous.

Precautionary statements:

**General:** Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. All components, including PDMS are non-toxic at present levels.

**Prevention:** Wear eye protection. Wash hands thoroughly after handling.

**Response:** IF ON SKIN: Rinse with plenty of clean water. If skin irritation occurs: Wash the affected area with a mild soap and clean water.

IF IN EYES:  
Rinse cautiously with clean water for several minutes.  
Remove contact lenses, if present and easy to do.

**Storage:** Not applicable

**Disposal:** Not applicable

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### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/mixture:** Mixture

Active Ingredient name	%*	CAS
Cellulose powder	10 – 25%	9004-34-6
Polyethylene glycol	5 – 20%	25322-68-3
Magnesium stearate	1 – 6%	557-04-0

<1%: *Hydroxypropyl Methylcellulose, Stearic acid, Polydimethylsiloxane (PDMS) (E900)*

\* The exact percentages of the ingredients have been withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence do not require reporting in this section.

### SECTION 4 – FIRST AID MEASURES

#### Oral Exposure by Ingestion

Have patient rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a medical practitioner /doctor for advice.

#### Inhalation Exposure

Move patient away from exposure to fresh air. If dust from pulverised material is inhaled, seek medical attention.

#### Skin Exposure

Rinse the affected area with clean water. If allergic reaction takes place consult a medical practitioner /doctor for advice.

#### Eye Exposure

Rinse out with the affected eye(s) using clean water with the eyelid held wide open. Consult a medical practitioner/doctor if eye irritation persists.

### SECTION 5 – FIRE FIGHTING MEASURES

Non-flammable material.

Suitable extinguishing media:

Carbon dioxide, dry powder, foam.

Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Cool endangered containers with water-spray.

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### SECTION 6 – ACCIDENTAL RELEASE MEASURE

#### METHODS FOR SPILL CLEANUP

No specific clean-up method required.

**Caution:** If significant amount of outer coating from numerous rounds has leached into water, a slipping hazard may arise.

Recommended procedure for bulk spillage is to collect rounds and dispose of contents/container to a general waste collection point.

Broken/pulverised material may be collected using suitable dust binding agents and transferred to a waste disposal container.

Dispose of according to regional/national regulations.

### SECTION 7 – HANDLING AND STORAGE

Keep this product in a cool, dry place away from direct sunlight, excess heat and moisture.

Store in tightly sealed containers once original packaging has been opened.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### SECTION 8 – EXPOSURE CONTROLS / PPE

Wear protective gloves/eye protection. Use of dust masks during handling of pulverised material is advised.

### SECTION 9 – PHYSICAL/CHEMICAL PROPERTIES

<b>Product type:</b>	Disposable inert projectile round
<b>Other:</b>	PDMS coated solid core sphere
<b>Physical State:</b>	Compressed rounds
<b>Colour:</b>	Green
<b>Odour:</b>	None

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<b>pH:</b>	No data
<b>Melting point/freezing point:</b>	No data
<b>Normal boiling point:</b>	No data
<b>Flash point:</b>	No data
<b>Evaporation rate:</b>	No data
<b>Flammability:</b>	No data
<b>Upper/Lower flammability or explosive limits:</b>	No data
<b>Vapor pressure:</b>	No data
<b>Vapor density:</b>	No data
<b>Relative density:</b>	No data
<b>Bulk density:</b>	No data
<b>Water solubility:</b>	Soluble in water
<b>Partition coefficient (n-octanol/water):</b>	No data
<b>Auto-ignition temperature:</b>	No data
<b>Decomposition temperature:</b>	No data
<b>Viscosity:</b>	No data
<b>Explosive properties:</b>	No data
<b>Oxidizing properties:</b>	No data

### SECTION 10 – STABILITY AND REACTIVITY

Stability: Byrna Eco-kinetic rounds are stable under ordinary ambient conditions of use and storage.

Incompatible with strong oxidizing agents.

Conditions to avoid: Exposure to sources of heat, ignition and moisture.

Avoid dispersal of pulverised material in the air (i.e., clearing dust surfaces with compressed air). Keep packaging sealed.

No data regarding potential hazardous decomposition products is evident.

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### SECTION 11 – TOXICOLOGICAL INFORMATION

Acute LD<sub>50</sub>: No Data Available

#### Literature toxicity data for individual ingredients:

Material	LD <sub>50</sub> *
Sorbitol	> 15 900 mg/kg
Cellulose powder	> 5 000 mg/kg
Polyethylene glycol	> 2 000 mg/kg
Magnesium stearate	> 10 000 mg/kg
PDMS	> 5 000 mg/kg
Coating / dye	No data

\*LD<sub>50</sub> literature values based on mouse animal toxicity studies (oral administration), as published in scientific literature and/or provided by the manufacturer.

### SECTION 12 – ECOLOGICAL INFORMATION

Environmental fate: No data available.

All constituent components of the Byrna Inert compressed powder projectile are biodegradable.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### SECTION 13 – DISPOSAL CONSIDERATIONS

No specific considerations. Remove waste in accordance with local and/or national regulations. Biodegradable waste.

### SECTION 14 – TRANSPORT INFORMATION

This substance is non-hazardous for land, air, sea & rail freight transport.

**Transport hazard class(es)**

N/A (Not classified as dangerous goods)

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### SECTION 15 – REGULATORY INFORMATION

Symbol of Danger: None

Safety Statements: Only use product as directed and with compatible Byrna devices.

Specific state laws may prohibit sale of this item if classified as a live (practice) ammunition round.

### SECTION 16 – OTHER INFORMATION

The information and statements provided in this publication is based on our current knowledge and experience. They do not however represent any assurance towards properties of the product within the sense of liability, guaranty regulations and thus are given without any obligation. Compliance with all applicable laws & regulations should be ensured and all third-party rights must be observed.

The information provided here is for guidance applicable to handling bulk quantities of product which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases and is supplied to readily identify toxicity & safety data. While this SDS is based on technical data judged to be reliable, Byrna and the manufacturer assumes no responsibility for the completeness or accuracy of the information contained herein. Safety information is under continuous review.