SAFETY DATA SHEET

COMPANY INFORMATION

Company name: Byrna SA (Pty) Ltd
Address: Byrna SA (Pty) Ltd
50 Kambathi Street, N4 Gateway Industrial Park, Pretoria, 0184, South Africa
Tel: 086-182-0031

SECTION 1 – PRODUCT INFORMATION

Product Name: Byrna Eco-Kinetics projectile rounds
Formulation Number: MJMF1335
Identification: Green coated spherical projectile
Packaging: Bulk: Clear zip-lock bags packed in brown boxes. Final product: 500ml transparent PET container with white screw-on lid and Byrna label.

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	%	CAS No:
Cellulose powder	10 - 25%	9004-34-6
Polyethylene glycol	5 -25%	25322-68-3
Magnesium Stearate	1-6%	557-04-0
<1%: Hydroxypropyl Methylcellulose, Stearic Acid, Sunflower Lecithin, Triethyl Citrate, Polydimethylsiloxane (PDMS) (E900)		

The exact percentages of the ingredients has 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 3 – HAZARDS IDENTIFICATION

This material is intended for application as a single-use projectile round compatible with applicable Byrna devices.
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. All components, including PDMS are non-toxic at present levels.

SECTION 4 – FIRST AID MEASURES

Oral Exposure
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.

SECTION 6 – ACCIDENTAL RELEASE MEASURE

METHODS FOR SPILL CLEANUP
No specific clean-up method required.
Caution: If outer coating 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 and 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/protective clothing/eye protection/face protection. Use of dust masks during handling is advised.

SECTION 9 – PHYSICAL/CHEMICAL PROPERTIES

Product type:	Disposable inert projectile round
Other:	PDMS coated solid core sphere
Physical State:	Compressed rounds
Colour:	Green

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 dust in the air (i.e., clearing dust surfaces with compressed air). Keep packaging sealed.

No data regarding potential hazardous decomposition products is evident.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute LD_{50}: No Data Available

Literature toxicity data for individual raw materials

Material	LD_{50}*
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_{50} 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 pill-press 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 considered to be non-hazardous for land, air, sea & rail freight transport.
Transport hazard class(es)
N/A
(Not classified as dangerous goods)

SECTION 15 – REGULATORY INFORMATION

Symbol of Danger: None
Safety Statements: Only use product as directed and with compatible Byrna devices.

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 products and to readily identify toxicity & safety data.
Safety information is under continuous review.