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SAFETY AND HANDLING GUIDELINE

OcuBall FBR

Optometric practice eye model for professional and educational use.

1 Purpose and scope

This sheet describes what the practice eye model is made of and how to handle, store and dispose of it during professional optometric training. It is intended for use by, or under the supervision of, trained professionals or CE course instructors. It is a training aid only. It is not a medical device and is not intended for use on patients or for diagnostic or therapeutic purposes.

2 Composition

Base material	Polyvinyl alcohol (PVA) hydrogel, 15% w/v
Processing aid	Dimethyl sulfoxide (DMSO), a common industrial and cosmetic solvent, is used during manufacture and washed out of the final product. Trace residual DMSO may remain.
Embedded material	Metal particles of about 200 µm, embedded in the surface of the hydrogel with varying degrees of rust

3 Handling

- Wear a clean glove (sterile, or single use non latex) whenever possible when handling the eye model.
- Avoid prolonged direct skin contact, particularly with cut, broken or irritated skin.
- Wash hands thoroughly with soap and water after handling, especially if you did not wear gloves.
- If skin or eye contact causes irritation, rinse with water and seek medical advice if it persists.

4 Storage

- Store unused eye models in a freezer.
- Take out as many as you need at least 24 hours before use and let them thaw at room temperature, so the eyes soften and the foreign bodies have time to rust. Thawing earlier develops more rust rings.
- Once thawed, use it within the session it was prepared for.

5 Single use and disposal

- Single use only: each eye model is for one practice session and should be discarded after use.
- Handle used eye models with care, as they may still contain small embedded metal particles.
- All components (hydrogel and metal) can go in normal household or office waste. No special hazardous waste handling is needed.

6 General notes

- For professional training and educational use only.
- Keep out of reach of anyone not taking part in supervised practice.
- Not for ingestion.