Ashur University College prosthodontics Technology dept. Dental material lab1

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Dental Materials
Introduction



Dental material science

- **Definition: a science dealing with the development, properties (physical and chemical and mechanical), manipulation, evolution and evaluation of dental materials.**

Evaluation of dental materials

- **Standard specifications**
- **Laboratory evaluations can be used to indicate the suitability of dental materials. These tests need to be clinically relevant**
- **Clinical trials: are the ultimate tests**

Information provided by a DM package

- **Name of the material**
- **Manufacturer**
- **Ingredients**
- **Uses**
- **Contents of the package**
- **Storage conditions**
- **Dispensing method**

Continue,

- **Setting and working time**
- **Method of manipulation**
- **Safety instructions**
- **Handling**
- **Recommended disposal method**
- **Approval body**
- **Production and expiry dates (US way MM/DD/YY Other DD/MM/YY). International date format set by ISO = YYYYMMDD. Always check with manufacturer for correct date if unclear on package.**

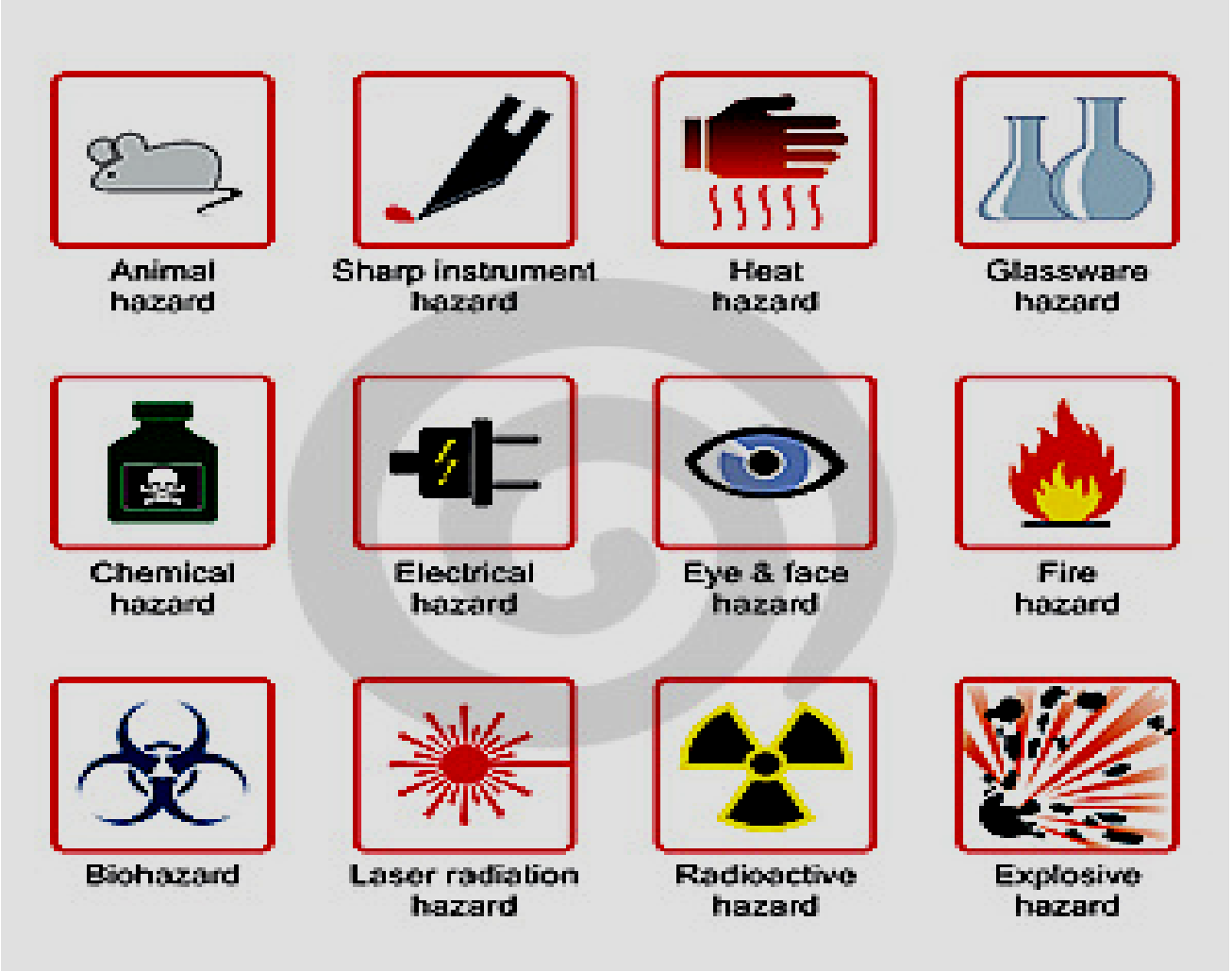






Dental Stone Plaster Yellow, Packaging Size: 3 Kg

Packaging Size	3 kg
Packaging Type	Packet
Brand	2GM
Type	Class 3
Water/Powder Ratio	30 ml/ 100g


Animal hazard
Sharp instrument hazard
Heat hazard
Glassware hazard
Chemical hazard
Electrical hazard
Eye & face hazard
Fire hazard
Biohazard
Laser radiation hazard
Radioactive hazard
Explosive hazard



Icon for patient safety: It is recommended that the patient wear safety glasses for this procedure



Icon for operator safety: The clinician must wear personal protective equipment such as mask, safety glasses, and gloves when performing this procedure.



Icon for hazard sign: This procedure may present a hazardous working environment to the clinician if appropriate safety protocol is not followed.



Thank you