

BJM LAB 
B.J.M. Laboratories Ltd.
SAFETY DATA SHEET
Q-CORE, Cartridge & Syringable, Base

1. Chemical Product and Company Identification

Product Name: **Q-CORE, Base**

A dual-cure composite core build-up material.

Restrictions on use: For use by dental professionals only.

Manufacturer: **B.J.M Laboratories Ltd**

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2. Hazards Identification

Xi



Acute Health Hazards: May cause eye, respiratory and skin irritation in high concentration.

Chronic Health Hazards: Material is not known to cause significant health problems

Signs and Symptoms of Exposure: High concentrations can cause eye and respiratory irritation. Prolonged skin exposure can cause dryness.

Primary routes of exposure: Inhalation, skin contact, eye contact.

Carcinogenicity: NTP - no, OSHA - no, IARC – no.

3. Composition / Information on Ingredients

Hazardous Ingredients	% by Wt.*	CAS#	Hazard Identification & Risk Phases
Triethylenglycoldimethacrylate	<20%	109-16-0	Xi, H319/335/315, H317
Polymerization activators	<5%	10287-53-3	Xi, H319/335/315
Non-Hazardous Ingredients			
Glass filler	<60%	65997-17-3	N/A
Bis-GMA	<20%	1565-94-2	N/A
Treated Fumed Silica	<5%	67762-90-7	N/A
Photoinitiators	<1%	10373-78-1	N/A
Pigments White (TiO ₂) / Yellow / Blue	<1%	13463-67-7/ Proprietary	N/A

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

Additional information: For the wording of the listed risk phrases refer to section 16.

4. First Aid Measures

In case of inhalation: If irritation occurs, take victim to open air. If breathing difficulty persists, consult a physician.

In case of skin contact: Wash with soap and water.

In case of eye contact: Flush with large quantities of water for 15 minutes. Consult a physician.

In case of ingestion: Consult a physician.

5. Fire-Fighting Measures

Flash point: N/A

Extinguishing Media: Carbon dioxide, water spray, dry chemical

Special Fire Fighting Procedures: Avoid a direct jet of water.

Unusual Fire and Explosion Hazards: None.

6. Accidental Release Measures

Environmental Precautions: Avoid seepage into sewers and water supplies.

Clean-Up Procedure: Contain spill and pick up material with a suitable absorbent material.

Place absorbent into a container

for later disposal.

7. Handling and Storage

Handling: No special measures necessary if handled according to instruction

Storage: Keep container tightly closed when not in use. Store in a cool, dry location. Keep material in original packaging.

Storage away from light, open flames, contamination and prolonged storage above 24°C (75°F).

8. Exposure Controls / Personal Protection

Exposure Controls: Use only in well-ventilated areas

Respiratory Protection: Avoid inhalation of vapors. No special protection under normal use.

Hand and Skin Protection: Avoid unnecessary skin contact. Wear latex gloves when handling

Eye Protection: Wear safety goggles or safety glasses with side shields when handling,

Hygiene Measures: Remove spilled material from skin and clothing. Do not eat or drink when handling this material.

9. Physical and Chemical Properties

Appearance: White paste / **Light**-Yellow paste/ Blue paste.

Odor: Specific odor

Boiling Point: N/A

Evaporation Rate (Water = 1): N/A

Vapor Density (Air = 1): N/A

Solubility in Water: Insoluble

10. Stability and Reactivity

Stability: This material is stable.

Hazardous Reactions: None if handled according to directions

Hazardous Polymerization: May occur.

Conditions to Avoid: Heat, UV light

Incompatibility: Free radicals, reducing agents, heavy metal ions

Hazardous Decomposition Products: Carbon dioxide, water, carbon monoxide, acrylic decomposition products, depending on conditions of heating and burning.

11. Toxicological Information

Acute oral toxicity: LD50 (rat) > 5000mg/KG

Irritation of Skin: Dryness and irritation possible upon prolonged exposure

Allergic Effects: Methacrylate sensitive individuals may exhibit an allergic reaction.

12. Ecological Information

Do not discharge into sewers or water supplies

Environmental persistence and degradability: no data available

Ecotoxicity: no data available

13. Disposal Considerations

May be disposed of in landfill or Incinerator In accordance with local, state and federal regulations

14. Transport Information

14.1 Transport at
land

ADR

RID

UN Number

Kemle
r
Number

Packing Group
Proper shipping
name

14.2 Transport at sea

ADNR

IMDG

UN Number

EMS

MFAG

Packing Group
Proper shipping
name

ICAO / IATA-DGR

14.3 Air transport

UN Number

Proper shipping
name

Subsidiary Risk

Labels

Packing Group

U.S. DOT Shipping Name: Not Regulated

U.S. DOT Hazard Class: None

U.N./N.A. Number None

U.S. DOT Packing Group: None

Other: Not considered hazardous cargo

15. Regulatory Information

This product requires classification according to the criteria of EC.

The product is a medical device according to the Council Directive 93/42/EEC and EU Regulation 2017/745 for Medical Devices.

15.1 UN Number

15.2 National regulations

15.3 EU number

15.4 Hazard symbols



Xi,

15.5 Hazard designation

Xi: Irritant.

15.6 Risk phrases

R: 319, 335/315, 317
319 Irritating to eyes.
335/315 Irritating to respiratory system and skin.
317 May cause sensitization by skin contact.

15.7 Safety phrases

P: 102, 403, 210, 260, 305+351+338, 303+361+353, 262, 280
102 Keep out of the reach of children.
403 Keep container in a well-ventilated place.
210 Keep away from sources of ignition - No smoking.
260 Do not breathe vapor.
305+351+338 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
303+361+353 After contact with skin, wash immediately with plenty of water and soap.
280 Wear suitable gloves and eye/face protection
262 Avoid contact with skin and eyes.

U.S.-O.S.H.A. Status: This material is not hazardous under the criteria of the U.S Federal Hazard Communication Standard.

16. Other Information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall establish a legally valid contractual relationship.

Relevant H-phrases

319/335/315 Irritating to eyes, respiratory system and skin.

Xi Irritant. 

Material should be maintained in original containers. Empty containers should not be re-used.

ANSI/NFPA 704 Data

Fire = 1

QC RX A3/W/B

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Revision **8.2** EU acc. to ISO 11014, REACH

Last revised: 31-Oct-2023

Approved for use: -Oct-2023

Health = 0

Reactivity = 0

Specific Hazard = None

Revision 8.2 *EU acc. to ISO 11014, REACH*

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