

Q-Glass™ Powder**1. Chemical product and company identification**

Product Name: **Q-Glass™ Powder**

Description: Glass ionomer self-cure luting cement for permanent cementation of crowns and bridges.

Restrictions on use: For use only by dental professionals.

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

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2. Hazards Identification

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



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 Phrases
Poly-acrylic acid	<10%*	9003-01-04	H315, H319
Non-Hazardous Ingredients			
Strontium Aluminosilicate glass powder	<90%*	Proprietary*	N/A
Hydroxyapatite	<10%*	12167-74-7	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/E

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. Clean spill area with detergent and water.

7. Handling and Storage

Handling: No special measures necessary if handled according to instructions. A no-touch technique is recommended. If skin contact occurs, wash skin with soap and water. Acrylates may penetrate commonly used gloves. Do not get in eyes.

Storage: Keep container tightly closed when not in use. Store in a cool, dry location. Keep material in original packaging. Should be kept away of sunlight and / or UV-Visible light sources. Sensitive to ambient light.

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. Do not get in eyes.

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 powder and colorless liquid

Odor: Specific odor

Boiling Point/Range: N/A

Evaporation Rate (Water = 1): N/A

Vapor Density (Air = 1): N/A

Density: 1.6 g/cm³

Specific Gravity: 1.6

Solubility in Water: Insoluble after polymerization

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, ambient light and contamination.

Incompatibility: Free radicals, reducing agents, heavy metal ions, strong oxidizing agents.

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

11. Toxicological Information

Acute oral toxicity: For overall product – No data available, estimated to be LD₅₀ (rat) > 5,000 mg/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.

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations.

14. Transport Information:

14.1 Transport at land	ADR UN Number	RID Kemler Number
14.2 Transport at sea	Packing Group Proper shipping name ADNR UN Number EMS Packing Group Proper shipping name	IMDG MFAG
14.3 Air transport	ICAO / IATA-DGR 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 EC-directive MDD 93/42/EEC and MDR 2017/745.

- 15.1 UN Number
- 15.2 National regulations
- 15.3 EU number
- 15.4 Hazard symbols



Xi,

- 15.5 Hazard designation

Xi: Irritant. Signal word: Warning.

- 15.6 Risk phrases

Classification according to EU Directives 1999/45/EC:
H: 319, 335/315, 317
319 Irritating to eyes.
335/315 Irritating to respiratory system and
skin.
317 May cause sensitization by skin
contact.

Classification (Regulation (EC) No 1272/2008:
H302, H315, H316f, H317, H318, H411
Oral: Acute toxicity, 4, H302
Skin irritation, 2, H315
Eye irritation, 1, H320
Skin sensitization, 1, H317
Chronic aquatic toxicity, 2, H411.

- 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.
262 Avoid contact with skin and eyes.
280 Wear suitable gloves and eye/face protection.

Precautionary statements:

Prevention:

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313: If skin irritation or rash occurs: Get medical advice/ attention.

P363: Wash contaminated clothing before reuse.

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.

317 May cause sensitization by skin contact.



Xi Irritant

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

ANSI/NFPA 704 Data:

Fire = 1

Health = 0

Reactivity = 0

Specific Hazard = None

Revision **1.1** *EU acc. to ISO 11014, REACH*

Last revised: **29-Oct-2023**

This information is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, or the results to be obtained from use thereof. In no event will the manufacturer or distributor be responsible for damages of any nature whatsoever resulting from the use of, or reliance upon this information. General properties described herein are to be regarded as guides and are not guaranteed for all samples.
