

Safety Data Sheet

B.J.M. Laboratories Ltd.® Q-Match Composite *smart color matching bulk composite for professional dental use*

Form 70010/B-MSDS, Rev.0

Last revised: 07-Jul-2022

Approved for use: 07-Jul-2022

1. Chemical product and company identification

1.1. Product Name: MultiMatch Composite *smart color matching bulk composite for professional dental use*

1.2. Manufacturer:

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2. Hazards Identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

| | |
|---------------------------|----------------------|
| Skin Irritation | Category 2 – (H315) |
| Skin Sensitization | Category 1B – (H317) |
| Causes serious eye damage | Category 1 – (H318) |
| Serious eye irritation | Category 2 - (H319) |
| Chronic aquatic toxicity | Category 2 - (H411) |

2.2. Label elements

Contains (1-methylethylidene)bis[4,1-phenyleneoxy(2-hydroxy-3,1- propanediyl)]bismethacrylate

Contains Tricyclodecane dimethanol diacrylate



2.3. Signal word

Warning

2.4. Hazard statements

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage

H319 - Causes serious eye irritation.

H411 - Toxic to aquatic life with long lasting effects.

2.5. Precautionary Statement – EU (§28, 1272/2008)

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 : Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

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

P302 + P251 – If in skin: wash with plenty of soap and water.

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

P337 + P313 - If eye irritation persists: Get medical advice/attention.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

2.6. Other hazards

No information available.

3. Composition / Information on Ingredients

| Hazardous Ingredients | EC No. | CAS No. | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|-----------|-----------|---|
| (1-methylethylidene)bis[4,1-phenyleneoxy(2- | 1565-94-2 | 216-367-7 | Skin Irrit. 2 (H315) |

| | | | |
|---|-----------|------------|--|
| hydroxy-3,1- propanediyl)]bismethacrylate | | | Skin Sens.. 2 (H317) Eye Dam. 1 (H318) |
| Triethyleneglycoldimethacrylate | - | 109-16-0 | Skin Sens. 1B (H317) |
| Photoinitiators | 282-810-6 | 84434-11-7 | Skin Sens. 1B (H317) Aquatic Chronic 2 (H411) |

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

4. First Aid Measures

4.1. Description of first aid measures

General advice: Show this safety data sheet to the doctor in attendance.

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. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. Avoid contact with UV and sunlight. **In case of eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

In case of ingestion: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

Self-protection of the first aider: Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: Itching. Rashes. Hives. Burning sensation.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors: May cause sensitisation in susceptible persons. Treat symptomatically.

5. Fire-Fighting Measures

5.1. Flash Point: N/E

5.2. Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2.1. **Small Fire:** Carbon dioxide, water spray, dry chemical

5.2.2. **Large Fire:** Alcohol resistant foam. Water spray.

5.3. Unsuitable extinguishing media: Full water jet.

5.4. Unusual Fire and Explosion Hazards: None

6. Accidental Release Measures

6.1. Environmental Precautions: Avoid seepage into sewers and water supplies.

6.2. 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

7.1. Handling: Ensure good ventilation of the workstation. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Heating will cause a rise in pressure with a risk of bursting

7.2. Storage: Store in original container. Store in dry, cool, well-ventilated area. Store away from direct sunlight or other heat sources. Protect from light. Keep container tightly closed and away from heat, sparks and flame. Storage temperature – 16-32°C.

8. Exposure Controls / Personal Protection

8.1. Exposure Controls: Use only in well-ventilated areas.

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

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

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

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

9. Physical and Chemical Properties

Appearance: Very viscos wax like.

Odor: N/A

Boiling Point/Range: N/A

Evaporation Rate (Water = 1): N/A

Vapor Density (Air = 1): N/A

Solubility in Water: Insoluble

10. Stability and Reactivity

10.1. Stability: This material is stable under normal conditions, storage and transport.

10.2. Hazardous Reactions: None if handled according to directions

10.3. Hazardous Polymerization: May occur.

10.4. Conditions to Avoid: Heat, UV light and contamination.

10.5. Incompatibility: Avoid contact with radical forming initiators, peroxides, strong alkalis or reactive metals to prevent exothermic polymerization.

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

11. Toxicological Information

11.1. Acute oral toxicity: LD₅₀ (rat) > 10,000 mg/KG

11.2. Irritation of Skin: dryness and irritation possible upon prolonged exposure

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

12. Ecological Information

Do not discharge into sewers or water supplies

12.1. Environmental persistence and degradability: no data available

12.2. 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 | RID |
| | UN Number | Kemler |
| | | Number |
| | Packing Group | |
| | Proper shipping name | |
| 14.2 Transport at sea: | ADNR | IMDG |
| | UN Number | |
| | EMS | MFAG |
| | Packing Group | |

Proper shipping name

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 93/42/EEC and MDR 2017/745.

15.1 UN Number

15.2 National regulations

15.3 EU number

15.4 Safety phrases

S: 2, 9, 16, 23, 26, 28, 24/25, 37/39

2 Keep out of the reach of children.

9 Keep container in a well-ventilated place.

16 Keep away from sources of ignition - No smoking.

23 Do not breathe vapor.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water and soap.

24/25 Avoid contact with skin and eyes.

37/39 Wear suitable gloves and eye/face protection.

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.

16.1. Relevant R-phrases

36/37/38 Irritating to eyes, respiratory system, and skin.

43 May cause sensitization by skin contact.

Xi Irritant.

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

16.2. ANSI/NFPA 704 Data:

Fire = 1

Health = 0

Reactivity = 0

Specific Hazard = None

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.
