

## 1. IDENTIFICATION

### 1.1. Product identifier

**FIBER POST "MACRO-LOCK OVAL" (red, yellow, blue, green)**

**Product Identification Numbers:** 4690-

### 1.2. Recommended use and restrictions on use

**Recommended use:** Dental product, dental fiber post

**Restrictions on use:** For use only by dental professionals

### 1.3. Supplier's details

**Name:** R.T.D : Recherches Techniques Dentaires

**Address:** 3 Rue Louis Neel. Espace Gavanière  
38120 St-Egrève. France

**Telephone:** +33 4 76 56 56 66

**Fax:** +33 4 76 56 11 77

### 1.4. Emergency telephone number

Emergency Call USA Canada-Infotrac: 1-800-535-5053

Emergency Chemtrec USA: 1-800-424-9300

Emergency Chemtrec outside the U.S: 1-703-527-3887

## 2. HAZARD IDENTIFICATION

### 2.1. Hazard classification

The product is not classified according to the Globally Harmonised System (GHS).

### 2.2. Label elements

**GHS label elements:** Void

**Signal word:** Void

**Hazard pictograms:** Void

#### Precautionary statements

Avoid breathing dust.

Wear protective gloves, mask, safety glasses.

#### Additional information

Medical devices are exempt from the labelling provisions of GHS according to the Hazard Communication Standard (HCS).

### 2.3. Hazards not otherwise classified

#### Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical characterization:** mixtures

**Description:** Fiber reinforced composite dental root canal post

CAS number	Ingredient	% by weight
65997-17-3	Radio-opaque quartz fibres	75-85*
036425-15-7	Epoxy resin matrix	10-25*
None	Pigment	<0.2*

\*The specific chemical identity and/or exact percentage is a trade secret. This is allowed under GHS as Confidential Business Information (CBI).

### 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

**Inhalation:** Supply fresh air and to be sure call for a doctor.

**Skin contact:** Wash immediately with mild soap and water. Rinse thoroughly.

**Eye contact:** Rinse immediately with plenty of water. If symptoms persist, consult doctor.

**If swallowed:** Rinse mouth. Seek medical attention.

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

No further relevant information available.

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

No further relevant information available.

### 5. FIRE FIGHTING MEASURES

#### 5.1. Extinguish media:

CO<sub>2</sub>, extinguish powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use firefighting measures that suit the environment.

#### 5.2. Specific hazards arising from the substance or mixture:

No further relevant information available.

#### 5.3. Special protective actions for fire-fighters:

**Firefighting instructions :** Use water spray or fog for cooling exposed containers.

**Protection during firefighting :** Do not enter fire area without proper protective equipment, including respiratory protection.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures:

No special measures required.

### 6.2. Environment precautions:

Do not allow product to reach sewage system or any water course.

### 6.3. Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose of the collected material according to regulations.

Minimize generation of dust.

### 6.4. Reference to other sections:

See section 7 for information of safe handling

See section 8 for information on personal protection equipment.

See section 13 for disposal information on personal protection equipment.

## 7. HANDLING & STORAGE

### 7.1. Precautions for safe handling

For use in dentistry only. Observe instructions for use.

Prevent formation of dust. Do not inhale dust/mist.

Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking.

**Information about protection against explosions and fires:** No special measures required

### 7.2 Conditions for safe storage including any incompatibilities

**Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

**Information about storage in one common storage facility:** Store way from foodstuffs.

**Specific end use(s):** No further relevant information available

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

No additional information available.

### 8.2. Exposure controls

#### Skin/ hand protective measure

Protective gloves

#### Eye protective measures

Safety glasses

#### Other

Surgical mask and/or suction equipment when cutting.

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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**9. PHYSICAL & CHEMICAL PROPERTIES**

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**9.1 Information on basic physical and chemical properties**

- Physical state:	solid
- Appearance:	small diameter (<3mm) cylinder
- Colour:	red, yellow, blue or green
- Odour:	odorless
- Odour threshold:	no data available
- pH:	not applicable
- Relative evaporation rate:	no data available
- Flash point:	not applicable
- Melting point:	undetermined
- Freezing point:	no data available
- Boiling point:	undetermined
- Auto-ignition temperature:	no data available
- Decomposition temperature:	no data available
- Flammability:	non flammable
- Vapour pressure:	not applicable
- Relative vapour density at 20°C:	not applicable
- Relative density:	not determined
- Solubility:	insoluble
- Log pow:	no data available
- Viscosity, kinematic:	no data available
- Viscosity, dynamic:	no data available
- Explosive properties:	no data available
- Oxidising properties:	no data available
- Explosive limits:	no data available

**9.2 Other information**

No additional information available

## 10. STABILITY & REACTIVITY

**10.1. Reactivity:** No further relevant information available

**10.2. Chemical stability:** Stable under normal handling and storage conditions.

**10.3. Possibility of hazardous reactions:** No dangerous reactions known.

**10.4. Conditions to avoid:** No further relevant information available

**10.5. Incompatible materials:** No further relevant information available

**10.6. Hazardous decomposition products:** None under normal conditions of storage and use.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects:

**Acute toxicity:**

**Primary irritant effect:**

**On the skin:** no irritant effect

**On the eye:** no irritating effect

**Sensitization:** no sensitizing effects known

**Additional toxicological information:**

#### Carcinogenic categories

**IARC (International Agency for Research on Cancer)**

None of the ingredients is listed

**NTP (National Toxicology Program)**

None of the ingredients is listed

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed

**12. ECOLOGICAL INFORMATION**

**Possible impact to the environment/ ecotoxicity:**

**Toxicity**

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

**Behavior in environment systems:**

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**Additional ecological information:**

**General notes:** No further relevant information available.

**Results of PBT and vPvB assessment**

**PBT:** Not applicable

**vPvB:** Not applicable

**Other adverse effects:** Avoid release to the environment.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods:**

**Recommendation:** Dispose in a safe manner in accordance with local/national regulations.

**Uncleaned packagings:**

**Recommendation:** Disposal must be made according to local/national regulations.

**14. TRANSPORT INFORMATION**

<b>UN- number</b> <b>DOT, ADR, ADN, IMDG, IATA</b>	Void
<b>UN proper shipping name</b> <b>DOT, ADR, ADN, IMDG, IATA</b>	Void
<b>Transport hazard class(es)</b> <b>DOT, ADR, ADN, IMDG, IATA</b> <b>Class</b>	Void
<b>Packing group</b> <b>DOT, ADR, IMDG, IATA</b>	Void
<b>Environmental hazards</b> <b>Marine pollutant</b>	No
<b>Special precautions for user</b>	Not applicable
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable
<b>Transport/Additional information</b>	Product is not classified as a dangerous good for transport (ADR, IMDG, IATA)
<b>UN " Model Regulation"</b>	-

<b>15. REGULATORY INFORMATION</b>
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**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**SARA (Superfund Amendments and Reauthorization Act)**

<b>Section 355 (extremely hazardous substances)</b>
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None of the ingredients is listed
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<b>Section 313 (specific toxic chemical listings)</b>
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None of the ingredients is listed
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<b>TSCA (Toxic Substances Control Act)</b>
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All ingredients are listed
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**Carcinogenic categories**

<b>EPA (Environment Protection Agency)</b>
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None of the ingredients is listed
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<b>TLV (Threshold Limit Value established by ACGIH)</b>
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None of the ingredients is listed
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<b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>
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None of the ingredients is listed
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**EU Regulations**

<b>REACH ( Registration, Evaluation, Authorization and Restriction of Chemicals)</b>
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Not contain substances with Annex XVII restrictions.
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Not contain substance on the REACH candidate list.
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Not contains substances on REACH Annex XIV.
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**Other regulations:**

The product is a medical device according to the Directive 93/42/EEC.

The product has been classified as a medical device under US and Canadian regulations.

**Chemical safety Assessment:**

A Chemical safety Assessment has not been carried out.

## 16. OTHER INFORMATION

This information is based on our best knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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### **Disclaimer:**

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### **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

**\* This version replaces all previous versions.**