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1. PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: MTA-FILLAPEX**Application:** Root canal sealer

Company Identification

ANGELUS INDÚSTRIA DE PRODUTOS ODONTOLÓGICOS LTDA - CNPJ 00.257.992/0001-37
RUA Waldir Landgraf 101 - Bairro Lindóia / CEP 86031-218 LONDRINA - PARANA - BRAZIL.

Information in case of emergency: +55 43 2101-3200 or sac@angelus.ind.br

2. COMPOSITION / INFORMATION ABOUT THE HAZARDOUS COMPONENTS

Chemical Components	CAS Number	Percentage
Salicylate resin	119-36-8	20-25
Diluent resin	N/A	20-25
Mineral trioxide aggregate	N/A	20-25
Calcium tungstate	1304-76-3	20-25
Silicon dioxide	69012-64-2	1-5
Titanium dioxide	13463-67-7	1-10

3. HAZARD IDENTIFICATION

**Xi:** Irritating.**R 36/38:** Irritating for eyes and skin.**Appearance:** viscous substance.**Effect on the eyes:** It may cause eye irritation.**Skin:** It may cause skin irritation.**Ingestion:** If swallowed, do not provoke vomiting. Look for a physician.**Inhalation:** Move to a ventilated area, if inhaled.

4. FIRST AID

4.1. Contact with the skin: Wash the affected skin area with plenty of water and neutral soap.**4.2. Contact with the eyes:** In case of contact with the eyes, wash with plenty of water. Consult an ophthalmologist, if the irritation persists.**4.3. Ingestion:** Look for medical assistance immediately.**4.4. Inhalation:** Take the person to a fresh place. Look for medical care for the discomfort or if the cough or other symptoms do not disappear.**4.5. Other information:** In case of discomfort when handling the product, look for medical care.

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5. FIRE FIGHTING MEASURES

- 5.1. **Recommended extinguishers:** Use the firefighting resources available at the location.
- 5.2. **Not recommended extinguishers:** Not Applicable
- 5.3. **Specific risks from the product combustion:** No specific risks.
- 5.4. **Protection equipment:** Use equipment for respiratory tract protection

6. ACCIDENTAL LEAKAGE MEASURES

- 6.1. **Personal safety measures:** Not required
- 6.2. **Environmental measures:** Special measures not required.
- 6.3. **Cleaning methods:** Remove the excess of material mechanically and dispose according to the local legislation.

7. HANDLING AND STORAGE

- 7.1. **Precautions for handling:** To be carried out by trained personnel. Keep out of reach of children.
- 7.2. **Storage conditions:** Store in a dry place.

8. EXPOSURE CONTROLS - precaution measures

- 8.1. **Breathing protection:** Not required.
- 8.2. **Hands protection:** Use gloves.
- 8.3. **Eyes protection:** Use protection goggles.
- 8.4. **Skin protection:** Not required.
- 8.5. **General Information:** Handle according to the good hygiene practices and personal safety. These practices include avoiding unnecessary exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1. **Aspect:** Viscous paste.
- 9.2. **Color:** White and yellow
- 9.3. **Odor:** Characteristic
- 9.4. **pH:** Not Applicable
- 9.5. **Melting Point:** Not Applicable
- 9.6. **Boiling Point:** Not Applicable
- 9.7. **Evaporation rate:** Not Applicable
- 9.8. **Exposure limit:** Not Applicable
- 9.9. **Vapor pressure:** Not Applicable
- 9.10. **Relative Density:** Not determined
- 9.11. **Solubility in water:** Not Applicable
- 9.12. **Auto-ignition temperature:** Not Applicable
- 9.13. **Decomposition temperature:** Not Applicable

10. STABILITY AND REACTIVITY

- 10.1. **Thermal decomposition:** Product stable in normal conditions.
- 10.2. **Conditions to be avoided:** There are no special conditions to be avoided.
- 10.3. **Materials to be avoided:** Not applicable.
- 10.4. **Risk Reactions:** There are no known dangerous reactions.
- 10.5. **Hazardous decomposition products:** Decomposition will not occur spontaneously.

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11. TOXICOLOGICAL INFORMATION (information about the toxicological effects)**11.1. Primary irritation effect****Skin:** Moderate irritation**Eyes:** Severe irritation**Inhalation:** Cough, sneeze and nasal secretion**Ingestion:** Gastrointestinal irritation and stomach ache**11.2. Sensitivity:** Not applicable.**11.3. Late and immediate effects and short-term and long-term chronic effects:** Not applicable.**11.4. Additional information:** None

12. ECOLOGICAL INFORMATION**12.1. Eco-toxicity (aquatic, land, where available):** Do not let big quantities of the product to be disposed in draining systems.**12.2. Persistence and Degradability :** Not Applicable**12.3. Bio-accumulation potential:** Not Applicable**12.4. Mobility in soil:** Not Applicable**12.5. Other adverse effects:** Not Applicable

13. CONSIDERATIONS ABOUT DISPOSAL - Description of residues and information about their treatment and methods for safe elimination, including the elimination of contaminated residue packaging.**13.1. Product disposal:** Small quantities can be disposed in the domestic waste and big quantities according to the local state and federal regulations.**13.2. Packaging disposal:** It shall be disposed according to the local legislation.

14. INFORMATION ABOUT TRANSPORT

Product classified as non-hazardous according to the transport regulations.

15. REGULATORY INFORMATION

Product not classified as hazardous and not hazardous to health.

16. OTHER INFORMATION

The information contained in this sheet are based on our knowledge on the date indicated above. This information refer only to the indicated product and of not constitute guarantee for a particular quality. The user is fully responsible to adopt the due precautions to protect property and people against any damages, which might derive from such handling and use. We recommend the user to carefully observe the destination and the form of use of the product, using according to the instructions.

In case of doubts, request technical guidelines: **+55 43 2101-3200 or sac@angelus.ind.br**