

Safety Data Sheet for Retroplast

1. Names of Material, Preparation and Company

Trade name: Retroplast™
Manufacturer: Endoplast ApS, Håndværkervej 4, DK-4652 Hårlev, Denmark
Phone: (+45) 23722599, E-mail: info@retroplast.com
Application: Retrograde endodontic sealing of tooth roots

2. Possible Risk

Designation of risk

Warning



Danger

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation

H335: May cause respiratory irritation

Ytterbium (III) fluoride as a powder can react with an acid to form hydrogen fluoride (HF), which is toxic and corrosive.

In the product Retroplast Ytterbium (III) fluoride is bound in the resin which is water-free and water-repellent (hydrophobic). Ytterbium (III) fluoride will not be able to react with acids (in water) and will therefore not be able to form hydrogen fluoride.

The amount of Retroplast per operation is less than 100 mg (48 mg of Ytterbium (III) fluoride). This combined with the hydrophobic property of the product results in the classification "warning".

3. Composition/Details of Components

Preparation: Radiopaque, chemically cured two-component composite containing BisGMA, TEGDMA, ytterbiumtrifluoride, colloidal silicon dioxide, ferric oxide and a catalyst system

Hazardous ingredients	Pasta A	Pasta B	CAS-nr.	Symbol	H-categories Text: See section 16. Other Particulars
BisGMA	21,7%	21,9%	1565-94-2	 Warning	H 315, H317, H319,
TEGDMA	21,7%	21,9%	109-16-0	 Warning	H 315, H317, H319, H335
Ytterbium (III) fluoride	48,1%	48,7%	13760-80-0	 Danger	H301 + H311 + H331.

4. First-Aid Measures

After inhalation:

In case of indisposition or nausea - seek fresh air

After skin contact:

In case of further indisposition - contact a physician

After eye contact:

Wash thoroughly with water and soap

Rinse immediately the eyes with plenty of water at least in 15 min.

After swallowing:

Open up the eyes wide during the rinsing. Contact a physician

First aid not necessary.

5. Fire Fighting Measures

Suitable agents:
Particular hazards:

Water, carbon dioxide, powder fire extinguishers
Decomposition forms carbon oxide and carbon dioxide

6. Measures in Case of Unintended Release

Spill:
Disposal:
Personal protective equipment:

Take up mechanically, use napkins or clothes
See point 13
See point 8

7. Handling and Storage

Storage:

Should be avoided:

Cool, tightly closed in well-ventilated rooms and areas. Keep out of the reach of children
Heat

8. Exposition Restriction and Personal Protective Equipment:

Exposition control:
Personal protective equipment:

Avoid contact with eyes and skin. Use only in well-ventilated rooms
Working clothes, gloves and protective glasses is recommended

9. Physical and Chemical Properties

Appearance:
Odour:
Solubility in water:
Density:

Paste A: red paste. Paste B: white paste
light acrylate-like
Not soluble
About 2

10. Stability and Reactivity

Hazardous products of decomposition:

Carbon oxide and carbon dioxide

11. Toxicological Data

Inhalation:
Skin contact:
Eye contact:

Possible irritation of the respiratory organ
Possible irritation or allergic reaction
Possible irritation

12. Ecological Data:

Hazardous for the environment:

No risk has become known

13. Disposal Instructions:

Spill/waste:

Obey local regulations

14. Particulars on Transport

Additional information:

Not dangerous cargo

15. Regulation

This safety datasheet is in accordance with Regulation (EU) no. 1907/2006

16. Other Particulars

Retrograde root filling

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H301 + H311 + H331: Toxic if swallowed, in contact with skin or if inhaled.

Note:

All information above has been given according to our present state of knowledge. It has been compiled to the best of our knowledge. The above-mentioned data do not represent a guarantee on characteristics. They only describe the safety requirements with regard to our products. They do not represent an assurance of product characteristics in the meaning of guarantees