

MATERIAL SAFETY DATA SHEET

1. INTRODUCTORY AND COMPANY DETAILS

Product Name: Epoxyseal

Other Names: n/a

Recommended Use: For root canal filling/sealing material

Company name: Safe Endo Dental India Pvt. Ltd.

Address: A/6/2, Kamdhenu Industrial Estate, Gorwa, Vadodara-390016, Gujarat, India

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E-Mail: director.safeendo@gmail.com

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2. HAZARDS IDENTIFICATION

Hazard Classification: NON HAZARDOUS. NON-DANGEROUS GOODS

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous substances present:

CAS	Name	%
	Epoxy resin	<50
	Amine Hardening agent	5-40
1314-23-4	Zirconium oxide	1-35
	Filling component	

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact If this product comes in contact with the eyes: Wash out immediately with fresh running water.
Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention without delay; if pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin Contact If skin contact occurs:

Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available).
Seek medical attention in event of irritation.

- Inhalation** If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
- Ingestion** If swallowed do NOT induce vomiting.
If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
Observe the patient carefully.
Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.
Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Foam.
Dry chemical powder.
BCF (where regulations permit). Carbon dioxide.

Special hazards arising from the substrate or mixture

Fire Incompatibility Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc.as ignition may result

Fire Fighting

Alert Fire Brigade and tell them location and nature of hazard.
Wear breathing apparatus plus protective gloves in the event of a fire.
Prevent, by any means available, spillage from entering drains or water courses.
Use fire fighting procedures suitable for surrounding area.

Fire/Explosion Hazard

The material is not readily combustible under normal conditions.
However, it will break down under fire conditions and the organic component may burn.
Not considered to be a significant fire risk.
Heat may cause expansion or decomposition with violent rupture of containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor Spills Environmental hazard - contain spillage.

Clean up all spills immediately.

Avoid contact with skin and eyes.

Wear impervious gloves and safety goggles

Major Spills

Clear area of personnel and move upwind.
Alert Fire Brigade and tell them location and nature of hazard.
Wear breathing apparatus plus protective gloves.
Prevent, by any means available, spillage from entering drains or water course

7. HANDLING AND STORAGE

Precautions for safe handling

Safe handling Avoid all personal contact, including inhalation.

Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area.

Prevent concentration in hollows and sumps.

Other information

Store in original containers.

Keep containers securely sealed.

Store in a cool, dry, well-ventilated area.

Store away from incompatible materials and foodstuff containers.

Package material incompatibilities

Not Available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Occupational exposure limits (oel) ingredient data

Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance 1) Brown paste with a characteristic odour; does not mix with water.
2) White paste

Physical state Non Slump Paste

Relative density (Water = 1) Not Available

Odour Not Available

Partition coefficient n-octanol / water Not Available

Odour threshold Not Available

Auto-ignition temperature (°C) Not Available

pH (as supplied) Not Available

Decomposition temperature Not Available

Melting point / freezing point (°C) Not Available

Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available
Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Available
Taste	Not Available
Evaporation rate	Not Available
Explosive properties	Not Available
Flammability	Not Available
Oxidising properties	Not Available

Upper Explosive Limit (%)	Not Applicable
Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Applicable
Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available
Gas group	Not Available
Solubility in water (g/L)	Immiscible
pH as a solution(1%)	Not Available
Vapour density (Air = 1)	Not Available
VOC g/L	Not Available

10. STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerization will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute: Device is biocompatible when used as directed by dental professionals per ISO 13

12. ECOLOGICAL INFORMATION

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

DO NOT discharge into sewer or waterways.

13. TRANSPORT INFORMATION

DOT shipping name	Not-regulated
DOT hazard class	Not-regulated
UN number	N/A
Sea transport IMDG/GGV sea class	N/A
UN number	N/A
MFGA number	N/A
EmS number	N/A
Air transport ICAO-Ti and	N/A
IAT A-DGR class	Not-regulated
UN number	N/A

14. REGULATORY INFORMATION**Labeling according to EU guidelines:**

The product has not been classified and marked in accordance with EU Directives / respective national laws.

Special labeling of certain preparations:

Safety data sheet available for professional user on request

15. OTHER INFORMATION

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