

MATERIAL SAFETY DATA SHEET**Pentron Clinical****SECTION 1
PRODUCT AND COMPANY INFORMATION**

Product name: FIBREKLEER® 4X

Uses/Application: Dental Product

Manufacturer: Pentron Clinical
1717 West Collins Avenue
Orange, CA 92867
USA
Telephone.: 1-800-KERR-123

In Case of Emergency: CHEMTREC, U.S.: 1-800-424-9300 International: +1-703-527-3887

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Date Revised: N/A

**SECTION 2
COMPOSITION INFORMATION**

NAME	CAS N.	PEL	TLV	%
Glass, oxide, chemicals	65997-17-3	NE	5 mg/m ³	30-60
Ytterbium trifluoride	13760-80-0	2.5 mg/m ³	2.5 mg/m ³	10-30

NE – Not Established.

Other:
Monomer and Stabilizer

**SECTION 3
Hazard Identification**

OHSA/HCS status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and

Hazard Statements: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

Precautions: No known significant effects or critical hazards. Avoid prolong contact with eyes, skin and clothing.

Routes of Entry: Dermal Contact. Eye Contact.

SECTION 4 PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid – Cured fiber reinforced post (Rod)
Flash point:	Not available
Color:	Clear
Odor:	Odorless
pH:	Not available
Boiling/condensation point:	Not available
Melting/freezing point:	Not available
Evaporation Rate:	Not available
Relative density:	2
Vapor pressure:	Not available
Vapor density:	Not available
Viscosity:	Not available.
Solubility:	Not Soluble

SECTION 5 FIRE AND EXPLOSION HAZARD DATA

Flammability of the product:	No specific fire or explosion hazard.
Extinguishing Media:	
Suitable:	Use an extinguishing agent suitable for the surrounding fire.
Special exposure hazards:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Hazardous thermal decomposition products:	Decomposition products may include the following materials: Carbon dioxide, carbon monoxide, halogenated compounds and metal oxide/oxides
Special Fire Fighting Procedures:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6 STABILITY AND REACTIVITY DATA

Stability:	The product is stable.
Incompatibility & Reactive (Material to Avoid):	Not available
Hazardous Decomposition:	Under normal conditions of storage and use, hazardous decomposition will not occurred
Hazardous Polymerization:	Under normal conditions of storage and use, hazardous polymerization will not occur.

SECTION 7 HEALTH HAZARD DATA

Potential Acute Health Affects:

Inhalation:	No known significant effects or critical hazards.
Ingestion:	No known significant effects or critical hazards.
Skin:	No known significant effects or critical hazards.
Eyes:	No known significant effects or critical hazards..

Potential chronic health effects:

Chronic effects:	No known significant effects or critical hazards.
Target organs:	No known significant effects or critical hazards.
Carcinogenicity	
Classification:	No known significant effects or critical hazards.
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.

SECTION 8 EMERGENCY FIRST AID PROCEDURES

Skin:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms persist.
Eyes:	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Inhalation:	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.
Ingestion:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms persist.
Note to physician:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SECTION 9 CONTROL MEASURES

Engineering measures:	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
Work/Hygiene Practices:	Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

Personal Protection:**Hands:**

If a risk assessment indicates gloves are necessary, Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products.

Eye Protection:

If risk assessment indicates safety eyewear is needed, safety eyewear complying with an approved standard should be used to avoid exposure to liquid splashes, mists or dusts.

Respiratory:

If a risk assessment indicates that respirators are needed, use a properly fitted, air-purifying or air-fed respirator complying with an approved standard this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Skin:

Based on the risks assessment, personal protective equipment for the body should be selected based on the task being performed and recommendations.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 10 PRECAUTIONS FOR HANDLING & STORAGE

Precautions to be taken in Handling:

Wash hands before eating, drinking, and chewing gum. Keep in the original container.

Precautions to be taken for storage:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area and away from food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Containers that have been open must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Other Precautions:

Keep out of reach of children. Avoid skin and eye contact. Avoid contamination of food.

SECTION 11 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Do not touch or walk through spilled material. Put on appropriate personal protective equipment

Environmental precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Product is toxic to aquatic organisms. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up:**Small spills:**

Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

Large spills:

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

**SECTION 12
DISPOSAL CONSIDERATION****Waste Disposal:**

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

**SECTION 13
TRANSPORTATION INFORMATION**

TDG/IMDG/IATA:

Not regulated.

**SECTION 14
REGULATORY INFORMATION****CALIFORNIA PROPOSITION 65:**

WARNING: This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

WARNING: This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

**SECTION 15
OTHER INFORMATION****HMIS (Hazardous Material Identification System) Rating:****Health 2 Flammability 0 Physical Hazard 0****Caution:**

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are

not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). The customer is responsible for determining the PPE code for this material.

National Fire Protection Association:

Health 2 Flammability 0 Instability 0

Note: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.