

SECTION 1: Identification of Product and Company

Nom du produit : CyberFill Distributed by: Distribuido por: Distribue par: Vertrieb durch **DE Healthcare Products** Gillingham ME8 0SB UK UK 01634878750 Chemtrec US (800) 424-9300 Emergency #: International: 001 703-527-3887 Fax +44 (0) 1634 87 87 51 email: info@cybertechbrand.com

Product Use:

Indications: Intended for the use as a dental restorative material in the treatment of dental caries. Limitations on Use: For use only by dental professionals

SECTION 2: Composition/Information on Ingredients								
Hazardous Ingredients								
	CAS #	PEL	TLV	%				
Mercury	7439-97-6	0.05 mg/m ³	0.05 mg/m ³	47*				
* (% Bas	sed on final A	Toxic/ contains mercury						

Other Ingredients

Alloy powder contains silver, tin, copper and/ or zinc metals.

Silver 40-72% Copper 5-25% Tin 25-32% Zinc 0-1% Powder to Mercury ratio : app. one to one

SECTION 3: Health Hazard Data

Routes of Entry:

Skin: Irritant/Sensitizer/Neurotoxin/Nephrotoxin

Acute Exposure: May cause redness and irritation. Chronic Exposure: Possible sensitization, dermatitis and swelling. Mercury may be absorbed through intact skin causing urinary problems

Eyes: Irritant.

Acute Exposure: Contact may cause irritation. Mercury is corrosive and may cause corneal injury or burns. Chronic Exposure: Mercury may be deposited in the lens of the eye, causing visual disturbances.

Inhalation: Irritant/Sensitizer/Nerotoxin

Acute Exposure: Inhalation of mercury vapor can cause cough, fever, nausea, and vomiting. Chronic Exposure: Inhalation of high concentrations mercury vapor over a long period causes mercurialism. Findings are extremely variable & include tremors, salivation, stomatitis, loosening of teeth, blue lines on gums, pain & numbness in extremities.

Ingestion: Neurotoxic/nephrotoxic

Acute Exposure: May cause nausea, vomiting, kidney damage and nerve effects. Chronic Exposure: Symptoms include Central Nervous System (CNS) disorders.

Carcinogenicity - NTP: No

IARC Monographs: No OSHA Regulated Carcinogen: No



SECTION 4: First Aid Measures

Skin: Wash thoroughly with soap and water. Use hand cream. If irritation persists, consult a physician.

Eye: Flush with water for at least 15 minutes. Consult a physician.

Inhalation: Move to fresh air. If irritation persists, consult a physician.

Ingestion: Contact a physician. May cause neurotoxic/nephrotoxic effects.

SECTION 5: Fire Fighting Measures

Flash Point (Method Used): N/A Flammable Limits: LEL: N/A UEL: N/A Extinguishing Media: Carbon dioxide, dry chemical foam Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus when fighting a fire in an area containing mercury. Unusual Fire Fighting Procedures: Emits toxic fumes in fire conditions.

SECTION 6: Accidental Release Measures

Personal precautions: Avoid contact with skin.

Disposal: Dispose of according to local or state regulations.

Others: In case the material is released or spilled, clean up with inert absorbent material and dispose of in an approved manner. Do not allow to flow off into the drains or waters.

SECTION 7: Handling and Storage

Steps to be taken in case material is released or spilled: Isolate the area and begin clean-up immediately. Do not touch spilled material. Cover all liquid droplets with a commercially available mercury vapour suppressant such as HG-X or elemental Sulfur. Collect the droplets using specialized mercury vacuum cleaners.

Waste Disposal Method: Material should not be allowed to enter sewers. All scrap mercury liquid and set alloy must be sent for reclamation by a commercial metal recycling facility.

Precautions to be taken in handling and storing: Store in a cool, dry place away from ignition sources.

Other precautions: Use according to directions. Wash hands thoroughly before smoking or eating.

SECTION 8: Exposure controls/Personal Protection

Respiratory Protection (Specify Type): Not needed for small quantities as encountered in this product. AVOID BREATHING OF VAPORS. HIGHLY TOXIC - IRRITANT - SENSITIZER. VENTILATION: Local Exhaust: Use in a well ventilated area to keep exposure under 0.05mg/m3. Mechanical (General): Should be sufficient Protective Gloves: Chemical resistant or latex gloves required

Eye Protection: Safety glasses with side shields. Full face shields



Work/Hygiene Practices: USE ONLY ACCORDING TO DIRECTIONS.

Wash thoroughly after handling. Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

SECTION 9: Physical and Chemical Properties

Boiling Point:	674 °F				
Specific Gravity (H20 = 1):	13.35				
Vapor Pressure (mm Hg):	0.0012 mm Hg @ 68 °F				
Melting Point:	-38 °F				
Vapor Density:	N/E				
Evaporation Rate:	N/E				
Solubility in Water:	0.0002g/100g water @ 68 °F				
Appearance and Odor: Powder: Odorless dark-gray alloy of silver, tin, copper and/or zinc.					
Liquid: Mercury is a silvery, mobile, odorless liquid.					
This MSDS addresses the mercury (liquid) portion of the product, which is a known health					

This MSDS addresses the mercury (liquid) portion of the product, which is a known health hazard. The powder is not considered to be hazardous. The health hazard data section references information relative to bulk quantities of elemental mercury and may not reflect the actual hazards of small quantities such as those encountered with this product.

SECTION 10: Stability and Reactivity

Stability: Stable
Conditions to Avoid: High temperatures.
Incompatibility (Material to Avoid): Halogens, ammonia, and strong oxidizing agents.
Hazardous Decomposition Byproducts: Mercury Vapor.
Hazardous Polymerization: Will not occur

SECTION 11: Toxilogical Information

Acute toxicity: Toxic by inhalation

Do not open or damage the capsule before mixing. Alloy powder and mercury are predosed in closed capsules, therefore the danger of exposition to mercury vapours are low.

Subacute / Chronic toxicity: In very rare cases amalgam allergies may occur. Inhalation is hazardous to the central nervous system

Further information: Avoid exposure of mercury to pregnant person.

SECTION 12: Ecological Information

Ecotoxicity: T	he product must not enter effluent, ground water, surface water or the soil.
Mobility :	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available

SECTION 13: Disposable considerations

Any disposal practice must be in compliance with local and national regulations.



Material in the elemental state and alos left-overs from restorations should be safed in a plastic contatiner for reuse or recycling. For disposal contac an expert for chemical waste, at your local-, federal or state waste department.

SECTION 14: Transport Information				
Regulated:	DOT, IATA, IMO			
Proper Shipping Name:	Mercury			
Hazard Class:	8			
UN Number:	2809			
Packing Group:	III			
NOTE:	See 49 CFR 173.4			

SECTION 15: Regulatory Information

This product is classified as a medical device under EC Directives, US and Canadian regulations

HMIS (Hazardous Material Identification System) Rating: H3 F0 R0

[HMIS Index: 4 - Severe Hazard; 3 -Serious Hazard; 2 - Moderate Hazard; 1 - Slight Hazard; 0 - Minimum Hazard]

State RTK: California Proposition 65 WARNING:

This product contains mercury, a chemical known to the State of California to cause birth defects or other reproductive harm.

SECTION 16: Other Information

None

CAUTION: PRODUCT FOR PROFESSIONAL USE

The information on this safety sheet is based on presently available data and to our best knowledge for the correct handling of the product under normal conditions. Any use of this product in any way not indicated on this sheet or use of this product together with any other process/procedure will be exclusively under the user's responsibility.