

Material Safety Data Sheet

In accordance with communitarian directive 2001/58/EC

SECTION 1: Identification of Product and Company

Product name: DE Amalgam SPHERICAL – 9792560 + 9792561 + 9792562
DE Healthcare Products
Gillingham ME8 0SB UK

UK 01634878750
Emergency #: Chemtrec US (800) 424-9300
International: 001 703-527-3887
Fax +44 (0) 1634 87 87 51

email: info@dehpbrand.com

Issue Date: November 4, 2009

Product Use:

Limitations on Use: For use only by dental professionals

Specific Use: Dental Amalgam

SECTION 2: Composition/Information on Ingredients

Silver 40-72%

Copper 5-25%

Tin 25-32%

Zinc 0-1%

Powder to Mercury ratio : app. one to one

SECTION 3: Hazards Identification

Exposure to mercury may cause irritation to skin, eyes, respiratory tract and mucous membrane. In individual cases, hypersensitivity reactions, allergies, or electrochemically caused local reactions have been observed. Due to electrochemical processes, the *lichen planus* of the mucosa may develop.

Mercury may also be a skin sensitizer, pulmonary sensitizer, nephrotoxin and neurotoxin. After placement or removal of amalgam restorations, there is a temporary increase of the mercury *concentration* in the blood and urine.

Mercury expressed during condensation *and* unset amalgam may cause amalgamation or galvanic effect if in contact with other metal restorations. If symptoms persist, the amalgam should be replaced by a different material.

Removal of clinically acceptable amalgam restorations should be avoided to minimize mercury exposure, especially in expectant mothers.

SECTION 4: First Aid Measures

If skin or eyes are contacted, wash off well with water immediately.

SECTION 5: Fire Fighting Measures

Extinguishing media

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.

SECTION 7: Handling and Storage

Handling Precautions	Keep away from sources of ignition
Precautions in case of fire and Explosion	Not determined
Storage conditions	Store in a cool, dry place away from heat, light and ignition sources. Refrigerate when not in use
Suggested containers	Original containers provided by Manufacturer
Indication for combined Storage	Avoid contact with reducing and oxidizing agents, peroxides and amines

SECTION 8: exposure controls/Personal Protection

Precautionary Measures	Local Exhaust Ventilation: Good general ventilation should be sufficient to control airborne levels of vapor released by uncured material. Special Ventilation: None Required Mechanical Ventilation: Good general ventilation recommended Other Ventilation: None required
Limits	TWA: Not determined PEL: Not determined
Respiratory Protection	Avoid prolonged or excessive breathing of vapor of uncured material
Hands protection	Rubber gloves recommended when contacting uncured materials
Eye & Skin protection	Safety glasses with side shields and use of gloves is recommended
Hygienic practices	Normal safe practices

SECTION 9: Physical and Chemical Properties

Boiling Point N/A	Evaporation rate N/A
Vapor pressure N/A	Melting point N/A
Specific Gravity > 1	pH N/A
Solubility in water nil	Appearance & Odor Slightly acrylic odor

SECTION 10: Stability and Reactivity

Stability:	Stable if stored as instructed.
Conditions to avoid:	Heat, light, aging and contamination
Incompatibility:	Peroxide and Amines, reducing and oxidizing agents
Hazardous Polymerization:	Will not occur
Hazardous Decomposition:	None known

SECTION 11: Toxicological Information

Carcinogenicity/Teratogenicity: No

Effects and Hazards of Overexposure (Acute and Chronic)

Effects and hazards of eye contact:	May cause irritation and damage if not removed promptly
Effects and hazards of skin contact:	Prolonged or repeated exposure to uncured material may cause irritation or skin rash especially in sensitive individuals
Effects and hazards of Inhalation:	Prolonged or excessive inhalation may cause respiratory tract irritation
Effects and hazards of Ingestion:	Uncured material may be harmful or fatal if swallowed
Effects for prolonged exposure:	Not applicable

SECTION 12: Ecological Information

There is no specific information on the product. Use according to good working practices, avoid releasing of the product into the environment.

SECTION 13: Disposable considerations

Unpolymerized (uncured) material may be hazardous waste. Incinerate uncured material and dispose in accordance with local regulations.

SECTION 14: Transport Information

Sea Transportation

IMCO Number Not applicable
UN Number Not applicable
Substance(s) determining hazard None

Air Transportation

ICAO/IATA Class Not applicable
Substance(s) determining hazard None

Transportation by Road/Railway

RID/ADR Class N/A
Item Number N/A
Hazard Identification Number N/A
Substance Identification Number N/A
Hazard Label N/A

SECTION 15: Regulatory Information

Classification in accordance with EC Directives

Hazard Identification Symbol	Xn
R Sentences	
22	Harmful if swallowed
36/37/38	Irritating to eyes, respiratory system and skin
S Sentences	
36	Wear suitable protective clothing
Ingredients determining the label	Uncured Methacrylate Ester Monomers

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.