

MARK3 THE SMART ALTERNATIVE	
Technical File	DMR4-TF4-SDS-PLCem
Safety Data Sheet	Rev.1
Title: TF4 Packaging- SDS- Adhesive Bonding , Surface treatment materials	Page: 1 of 6
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Trade Names: EverCem Permanent Resin Cement (Base & Catalyst)

SECTION 1: Identification

1.1 Product Identifier: Dental Adhesives

1.2 Relevant identified uses of the substances or mixture

Product Use:

Indications: Intended for the use as a dental restorative material.

Limitations on Use: For use only by dental professionals

1.3 Details of the supplier of the safety data sheet

Manufacturer: Cargus International, Inc.

Address: 135 North Route 9W, Congers, New York 10920

Telephone: 845-267-2600 (Use for emergency also)

Fax: 845-510-3191 **e-mail:** ggabai@cargus.com

SECTION 2: Hazards Identification

Classification of the substance or mixture

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

Label elements

GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms

GHS07



Signal word: Warning

Hazard-determining components of labelling:

urethane dimethacrylate

triethylene glycol dimethacrylate

ytterbium trifluoride

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Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

Precautionary statements

P280 Wear protective gloves / eye protection / face protection
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P405 Store locked up.

Additional information:

Medical devices as defined in Directive 93/42/EEC and which are invasive or used in direct physical contact with the human body, are exempted from the provisions of Regulation (EC) No 1272/2008 (CLP/GHS) usually if they are in the finished state and intended for the final user.

Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.


SECTION 3: Ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

CAS Number	Chemical Name	Classification	H-Statements	R-phrases
13760-80-0	ytterbium trifluoride	Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335		
72869-86-4	urethane dimethacrylate	Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412		
109-16-0	triethylene glycol dimethacrylate	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335		
94-36-0	glycerol dimethacrylate phosphate	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317		
	dibenzoyl peroxide	Org. Perox. B, H241; Eye Irrit. 2, H319; Skin Sens. 1, H317		

For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First Aid Measures

General information

After inhalation: Supply fresh air and immediately seek medical attention.
 In case of unconsciousness place patient in side position for medical transportation.
 After skin contact: Rinse with water.
 If skin irritation continues, consult a doctor.
 After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
 After swallowing: Rinse out mouth and then drink plenty of water.
 If symptoms persist consult doctor.

SECTION 5: Fire Fighting Measures

Extinguishing media

Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special protective equipment: No further relevant information available.

Special risks: No special risks

SECTION 6: Accidental Release Measures

Individual precautions: Not required.
 Precautions for the protection of the environment: Do not allow to enter sewers/ surface or ground water.
 Cleaning methods: Pick up mechanically.

Reference to other sections

See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling and Storage

Only adequately trained personnel should handle this product.

For use in dentistry only.

Handling: Storage:

Wear suitable protective clothing and gloves. Avoid contact with eyes.

Store only in the original packaging.


Protect from exposure to the light.

Protect from heat and direct sunlight.

Keep container tightly sealed.

Specific end use(s):

No further relevant information available.

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SECTION 8: Exposure controls/Personal Protection

Additional information on design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis..

Exposure controls

Personal protective equipment	Usual hygienic measures for dental practice & dental laboratories. Wash hands before, after and at end of work
General protective & hygienic measures	Avoid contact with the eyes and skin. Keep away from foodstuffs and beverages
Respiratory protection	In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Protection of hands	The glove material has to be impermeable & resistant to the product/ the substance/ the preparation . After use of gloves apply skin-cleaning agents and skin cosmetics.
Glove Material	The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed
Unsuitability of glove material	Commercial medical gloves do not provide protection against the sensitizing effect of methacrylates.
Eye Protection	Safety glasses

SECTION 9: Physical and Chemical Properties

Appearance	Form Color	Pasty According to product specification
Odor		Characteristic
Odor threshold		Not determined
pH		Not applicable
Melting point		Undetermined
Boiling point		Undetermined
Flash point		Not applicable
Flammability		Not determined



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Danger of explosion	Product does not present an explosion hazard
Explosion limits Lower	Not determined
Upper	Not determined
Vapor pressure	Not applicable
Density	Not determined
Relative density	Not determined
Vapor density	Not applicable
Evaporation rate	Not applicable
Solubility in water	Nearly insoluble
Miscibility with water	Nearly insoluble
Segregation coefficient (n-octono/water):	Not determined
Viscosity Dynamic	Not applicable
Kinematic	Not applicable
Other Information	No further information available

SECTION 10: Stability and Reactivity

Chemical stability:	Stable if stored and handled as instructed. Photoreactive (danger of polymerization)
Reactivity:	No further relevant information available
Thermal decomposition	No decomposition if used according to specifications
Hazardous decomposition products	None if stored and handled as instructed
Possibility of hazardous reactions	No dangerous reactions known
Conditions to be avoided	Protect from exposure to light. Keep away from heat & direct sunlight.
Incompatible materials	No further relevant information available

SECTION 11: Toxicological Information

Information of effects	
Eye	Irritating effect. Catalyst may cause serious eye irritation
Skin & respiratory	May cause an allergic skin reaction
Sensitization	Possible through skin contact
Other information	No further relevant information available
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

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SECTION 12: Ecological Information

Ecotoxicology	No further relevant information available
Persistence & degradability	No further relevant information available
Bioaccumulative potential	No further relevant information available
Mobility in soil	No further relevant information available
General information	Do not allow undiluted product or large quantities of it t ground water, water course or sewage system
Results of PBT and vPvB assessment	
PBT:	Not applicable
vPvB:	Not applicable
Other adverse effects	No further relevant information available

SECTION 13: Disposable considerations

May be disposed of in landfill or incinerator In accordance with local, state and federal regulations. Disposal of must be made according to local/national regulations

SECTION 14: Transport Information

UN Number	Void
ADG, AND, IMDG, IATA	Void
UN proper shipping name	Void
ADG, AND, IMDG, IATA	Void
Transport hazard class (es)	Void
ADG, IMDG, IATA	Void
Packing group	Void
ADG, IMDG, IATA	Void
Environmental hazards	
Marine pollutant	No
Special precautions for user	Not applicable
Transport in bulk according to Annex II of Marpol & the IBC code:	Not applicable
Additional information	Product is not classified as dangerous good for transport (ADG, IMDG, IATA)
UN "model regulation"	Void

SECTION 15: Regulatory Information

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

SECTION 16: Other Information

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.