

Material Safety Data Sheet

according to NOHSC:2011(2003)



Product name : Ivoclar Vivadent Tetric EvoCeram Bulk Fill
Statement of Hazardous Nature : This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.
Revision : 17.08.2012 **Version :** 1.0.0
Print date : 17.08.2012

01. Identification of substances, preparation and company

Product name: Ivoclar Vivadent Tetric EvoCeram Bulk Fill
Use of the substance / preparation: Light-curing, low shrinkage restorative
Manufacturer / Supplier: Ivoclar Vivadent AG
Street / P O Box: Benderstrasse 2 FL-9494
Country code / Postal Code / Town / City: Schaan, Principality of Liechtenstein
Telephone: + 423 235 35 35
Telefax: + 423 235 33 60
Distributor: Ivoclar Vivadent Pty Ltd (Australia)
1 – 5 Overseas Drive Noble Park North VIC 3174
Telephone: + 61 3 9795 9599
Telefax: + 61 3 9795 9645

Emergency information: Poisons Information Centre: Dial 13 11 26
24 hours a day, 7 days a week – Australia wide

02. Hazards identification

Statement of Hazardous Nature

This product is not classified as: Hazardous according to criteria of National Occupational Health and Safety Commission.
Non-Dangerous Goods according to ADG.

Hazard designation

Classification:



Xi – irritant – chemicals that may cause inflammation to the skin or other mucous membranes.

ADG Classification: Not classified

UN Number: Not classified

Particular information pertaining specific risk for human and environment

Chemicals that may cause inflammation to the skin or other mucous membranes.

03. Composition / information on ingredients

Chemical characterisation

Mixtures

Hazardous components

CAS: 1565-94-2

2.5-10% Bis-GMA

CAS: 72869-86-4 EINECS 276-957-5

2.5-10% Urethane dimethacrylate

Other ingredients determined not to be hazardous

None

Dangerous component / Risk phrases:

Risk phrases:

36	Irritating to eyes.
36/38	Irritating to eyes and skin.
43	May cause sensitisation by skin contact.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

2	Keep out of the reach of children.
24/25	Avoid contact with skin and eyes.
26	In case of contact with eyes – rinse immediately with plenty of water and seek medical advice.
28	After contact with skin, wash immediately with plenty of soap and water.
37/39	Wear suitable gloves and eye/face protection

Material Safety Data Sheet

according to NOHSC:2011(2003)



Product name : Ivoclar Vivadent Tetric EvoCeram Bulk Fill
Statement of Hazardous Nature : This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.
Revision : 17.08.2012 **Version :** 1.0.0
Print date : 17.08.2012

04. First-aid measures

General

Immediately remove all contaminated clothing. Irrigate with flowing water immediately and continuously for 15 minutes. Seek medical assistance.

After inhalation

Let in fresh air. Should the air passages be effected or respiratory irritation is experienced seek medical assistance.

After skin contact

Flush with plenty of water. Wash thoroughly with soap and water. If burns occur, treat as any thermal burn and seek medical assistance.

After eye contact

Flush with plenty of water (10 – 15 minutes) and seek medical assistance immediately.

After ingestion

Rinse out mouth and drink plenty of water. Do not induce vomiting. Seek medical assistance immediately.

05. Fire-fighting measures

Suitable extinguishing media

Carbon Dioxide. Extinguishing powder. Water spray.
Fight large fires with water spray or alcohol resistant foam.
Not combustible under normal conditions.
Adapt extinguishing material to suit the environment.

Unsuitable extinguishing media

Waterjet.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

None

Special protective equipment

No special measures required. When extinguishing fires, use breathing apparatus with an independent source of air.

06. Accidental release measures

Personal precautions

Wear suitable protective clothing, gloves and eye / face protection.

Environmental precautions

Prevent from flowing into sewers, surface water / ground water.

Methods for cleaning up / collecting

Take up with a mechanical source and proceed according to the waste disposal regulations.

Additional information

Remove according to regulations. Cool containers in the vicinity of the blaze using a water spray. Clean up with absorbent material. Prevent skin and eye contact. Clean area with large amounts of water.

07. Handling and storage

Information for safe handling

Containers to be opened and handled with care. Make sure that ventilation is adequate. Only adequately trained personnel should handle this product. Keep out of reach of children. When using – do not eat, drink or smoke.

Information about protection against explosions and fires

No anti-explosions measures necessary.

Requirements to be met by storerooms and containers

Keep only in the original container. Store at 2 – 28°C / 36-82°F. Do not store in open sunshine. Keep away from heat source. Avoid exposure to light.

Information about separation of incompatible products

Store foodstuffs separately.

08. Exposure controls and personal protection

Additional information about engineering measures

No particular measures required. Technical measures – provide adequate local ventilation. Control airborne concentration below the exposure guideline.

Components with critical values that require monitoring at the workplace (exposure limits)

Specifications: TWA (AUS)
Value: MAK 0 mg/m³

Material Safety Data Sheet

according to NOHSC:2011(2003)



Product name : Ivoclar Vivadent Tetric EvoCeram Bulk Fill
 Statement of Hazardous Nature : This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.
 Revision : 17.08.2012 Version : 1.0.0
 Print date : 17.08.2012

Ingredients with limit values that require monitoring at the workplace:

This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Personal protective equipment

Do not eat or drink during work. No smoking. Keep away from food, drink and animal feeding stuff. Avoid contact with skin and eyes. Respiratory protection.

Respiratory protection

Provide for good ventilation.

Hand protection

Short-term exposure (< 30mins): disposable gloves, eg: nitrile rubber, material thickness 0.1mm (Australian Standard 2161). Long-term exposure (Level 6: < 480min): protective gloves, eg: nitrile rubber, material thickness 0.7mm (Australian Standard 2161).

Eye protection

Use tightly fitting safety glasses (Australian Standard AS 1336 and AS/NZS 1337).

General protective and hygiene measures:

Usual hygienic measures for dental practice.

Avoid contact with the eyes and skin.

Immediately remove all soiled and contaminated clothing.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Respiratory protection:

Not required.

Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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.

09. Physical and chemical properties

Image

Form:	Paste
Colour:	Off-white to cream
Odour:	Practically odourless

Relevant safety data

Melting point/range:		ca.	n/a	°C	DIN 51755
Casting point/range:			n/a	°C	
Flash point:			n/a	°C	
Ignition temperature:			n/a	°C	
Lower explosion limit:			n/a	% b.v.	
Upper explosion limit:			n/a	% b.v.	
Density:	(20°C)		2.064	g/cm ³	
Solubility in water:	(20°C)		insoluble	% b.w.	
pH value:			n/a		

10. Stability and reactivity

Conditions to avoid

No further relevant information available.

Chemical stability

Stable under normal handling and storage conditions.

Photoreactive (danger or polymerisation).

Conditions to avoid

Protect from exposure to the light. Keep away from heat and direct sunlight.

Hazardous decomposition products

None under normal conditions of storage and use.

Material Safety Data Sheet

according to NOHSC:2011(2003)



Product name : Ivoclar Vivadent Tetric EvoCeram Bulk Fill
Statement of Hazardous Nature : This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.
Revision : 17.08.2012 **Version :** 1.0.0
Print date : 17.08.2012

11. Toxicological information

Toxicological tests

Non toxic

Primary irritant effect

On skin: Uncured material – prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals.

On the eye: Uncured material – prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals.

Sensitisation

Sensitisation possible through skin contact.

Experience on practice

This product has sensitising effects.

Skin sensitisation may develop from prolonged/repeated skin contact.

Uncured material – prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals.

No hazards anticipated from swallowing small amounts incidentally.

12. Ecological information

No ecological problems to be anticipated if properly handled and used.

Details on elimination (persistence / degradability)

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or un-neutralised. Rinse with large volume of water.

Abiotoxic elimination

No data available.

Biological degradation / elimination

No data available.

Fate in environmental compartments

No data available.

Performance in sewage/treatment plants

Must not reach sewage water or drainage ditch undiluted or un-neutralised.

Clean up with absorbent material. Prevent skin and eye contact. Clean area with large amounts of water.

13. Disposal consideration

Product

Concentrate: the cleaned-up material must be disposed of in accordance with Federal, State or Local regulations.

Contaminated packaging

Contaminated packaging must be emptied of all residues and following appropriate cleaning may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

14. Transport information

Land transport ADG

Classification

ADR/RID: | n/a

UN Number: | n/a

Packing Group: | n/a

Hazard Label: | n/a

UN proper shipping name: | n/a

Maritime transport IMDG

Classification

IMDG: | n/a

UN Number: | n/a

Packing Group: | n/a

Hazard Label: | n/a

Material Safety Data Sheet

according to NOHSC:2011(2003)



Product name : Ivoclar Vivadent Tetric EvoCeram Bulk Fill
Statement of Hazardous Nature : This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.
Revision : 17.08.2012 **Version :** 1.0.0
Print date : 17.08.2012

EMS Number:	n/a
Segregation group:	n/a
UN proper shipping name:	n/a

Air transport ICAO-TI and IATA-DGR

Classification	
ICAO/IATA Class:	n/a
UN Number:	n/a
Packing Group:	n/a
Hazard Label:	n/a
UN proper shipping name:	n/a

15. Regulatory information

Classification



Xi – irritant – chemicals that may cause inflammation to the skin or other mucous membranes.

Hazardous components

CAS: 1565-94-2

2.5-10% Bis-GMA

CAS: 72869-86-4 EINECS 276-957-5

2.5-10% Urethane dimethacrylate

Other ingredients determined not to be hazardous

None

Dangerous component / Risk phrases:

Risk phrases:

36	Irritating to eyes.
36/38	Irritating to eyes and skin.
43	May cause sensitisation by skin contact.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

2	Keep out of the reach of children.
24/25	Avoid contact with skin and eyes.
26	In case of contact with eyes – rinse immediately with plenty of water and seek medical advice.
28	After contact with skin, wash immediately with plenty of soap and water.
37/39	Wear suitable gloves and eye/face protection

16. Other information

Processing instructions / technical data sheets

Please observe the label / directions for use.

Further information

This is a medical device classified under the requirement of EU-directive 93/42/EEC and TGA.

Contact

Dr Peter Lobo.

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