

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

077126774

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

077126188 077126196 077126204 077126212 077126238 077126246 077126253 077126261 077126279 077126287  
077126295 077126303 077126311 077126329 077126337 077126345 077126352 077126360 077126378 077126386  
077126394 077126402 077126410 077126428 077126436 077126444 077126451 077126550 077126568 077126576  
077126584 077126592 077126600 077126618 077126626 077126634 077126642 077126659 077126667 077126675  
077126683 077126691 077126709 077126717 077126725 077126733 077126741 077126758 077126766 077142540  
077142581 077142599 077142607 077142904 077142961 077143001 077143043 077143084 077143241 077143266  
077143282 077143290 077143316 077143324 077143340 077143365 077143381 077143407 077143423

Ivoclar/Vivadent  
Manufacturer MSDS Number:

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SECTION 1 : Chemical Product and Company Identification  
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MSDS Name: Tetric EvoCeram  
Manufacturer Name:Ivoclar/Vivadent  
Address:  
175 Pineview Drive,  
AMHERST NY 14228

2785 Skymark Ave. Unit 1,  
Mississauga, Ontario L4W 4Y3

For emergency only call INFOTRAC: 1-800-535-5053  
In Canada, call CANUTEC: 613-996-6666

Manufacturer MSDS Revision Date:  
November 18, 2004

General Use:  
Light Curing low-shrinkage Dental Restorative

FOR PROFESSIONAL DENTAL USE ONLY.

Product Identification: Light Curing low-shrinkage Dental Restorative  
Product Codes:  
590284 - 590291, 590293 - 590349

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SECTION 2 : Hazardous Ingredients/Identity Information  
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Chemical Name  
Bis-GMA CAS#  
1565-94-2 Percent  
5-10%

OSHA PEL TWA: \*Not Available  
ACGIH TLV TWA: \*Not Available  
Hazardous: Yes

LD50/LC50/TDLo: Not Available  
Chemical Name  
Ethoxylated Bis-EMA CAS#  
41637-38-1 Percent  
1-5%

OSHA PEL TWA: \*Not Available  
ACGIH TLV TWA: \*Not Available  
Hazardous: Yes

LD50/LC50/TDLo: Not Available  
Chemical Name

Urethane dimethacrylate CAS#  
72869-86-4 Percent  
5-10%

OSHA PEL TWA: \*Not Available  
ACGIH TLV TWA: \*Not Available  
Hazardous: Yes

LD50/LC50/TDL0: Not Available  
Chemical Name  
Barium glass filler, silanised CAS#  
Not Available Percent  
30-40%

OSHA PEL TWA: \*Not Available  
ACGIH TLV TWA: \*Not Available  
Comments:  
Other Ingredient

LD50/LC50/TDL0: Not Available  
Chemical Name  
Ytterbiumtrifluoride CAS#  
1376-08-0 Percent  
1-5%

OSHA PEL TWA: \*Not Available  
ACGIH TLV TWA: \*Not Available  
Comments:  
Other Ingredient

LD50/LC50/TDL0: Not Available  
Chemical Name  
Mixed oxide, silanised CAS#  
Not Available Percent  
5-10%

OSHA PEL TWA: \*Not Available  
ACGIH TLV TWA: \*Not Available  
Comments:  
Other Ingredient

LD50/LC50/TDL0: Not Available  
Chemical Name  
Copolymer CAS#  
Not Available Percent  
30-40%

OSHA PEL TWA: \*Not Available  
ACGIH TLV TWA: \*Not Available  
Comments:  
Other Ingredient

LD50/LC50/TDL0: Not Available  
Comments:  
\*All Exposure limits are in milligram per cubic meter of air (mg/m3)

LD-50 (oral rat): > 5000 mg/kg

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SECTION 3 : Physical And Chemical Characteristics

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Physical State/Appearance:

Paste  
Color:  
Off white to cream colored  
Odor:  
No odor  
pH:  
Not Determined  
Vapor Pressure:  
mm Hg: Not Applicable  
Vapor Density:  
Air = 1: Not Applicable  
Boiling Point:  
Deg C: Not Applicable  
Melting Point:  
Deg C: Not Applicable  
Solubility:  
In water: < 0.1%  
Specific Gravity:  
(H2O = 1 g/cm3): 2.09 - 2.14 g/cm3 (20 deg C)  
Odor Threshold:  
None  
FlashPoint:  
> 150 deg C  
Auto Ignition Temp:  
Deg C: Not Applicable  
Upper Flammable Explosive Limit:  
% In Air: Not Applicable  
Lower Flammable Explosive Limit:  
% In Air: Not Applicable

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SECTION 4 : Fire And Explosion Hazards

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Flash Point:  
> 150 deg C  
Upper Flammable or Explosive Limit: % In Air: Not Applicable  
Lower Flammable or Explosive Limit: % In Air: Not Applicable  
Auto Ignition Temperature: Deg C: Not Applicable  
Extinguishing Media:  
Water fog, carbon dioxide, foam, dry chemicals  
Hazardous Combustion Byproducts:  
None  
Unusual Fire Hazards:  
None

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SECTION 5 : Health Hazards

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Applies to All Ingredients:  
Aggravation of Pre-Existing Conditions:  
Resin Allergies

Applies to all ingredients:  
Routes of Exposure:  
Ingestion, inhalation, eyes

Ingestion Effects:

Symptoms of Acute Exposure:

The LD-50 (oral rat) for Tetric EvoCeram is > 5000 mg/kg.

Chronic Skin Effects:

Symptoms of Chronic Exposure:

Prolonged or frequently repeated skin contact with the uncured material may cause allergic skin reactions.

Carcinogenicity:

Potential Carcinogen: No

NTP: No

IARC: No

OSHA Reg.: No

Teratogenicity:

No

Embryo Toxicity:

No

Sensitization:

No

Reproductive Toxicity:

No

Bis-GMA :

Acute Health Effects:

LD50/TDL0: Not Available

Inhalation Effects:

LC50: Not Available

Ethoxylated Bis-EMA:

Acute Health Effects:

LD50/TDL0: Not Available

Inhalation Effects:

LC50: Not Available

Urethane dimethacrylate:

Acute Health Effects:

LD50/TDL0: Not Available

Inhalation Effects:

LC50: Not Available

Barium glass filler, silanised :

Acute Health Effects:

LD50/TDL0: Not Available

Inhalation Effects:

LC50: Not Available

Ytterbiumtrifluoride :

Acute Health Effects:

LD50/TDL0: Not Available

Inhalation Effects:

LC50: Not Available

Mixed oxide, silanised:

Acute Health Effects:

LD50/TDL0: Not Available

Inhalation Effects:

LC50: Not Available

Copolymer:

Acute Health Effects:

LD50/TDL0: Not Available

Inhalation Effects:

LC50: Not Available

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SECTION 6 : Emergency And First Aid Procedures  
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Eye Contact:

Flush with plenty of water. Consult a physician if irritation persists.

Skin Contact:

Wash thoroughly with soap and water.

Inhalation:

Remove victim to fresh air.

Ingestion:

No hazards anticipated from swallowing small amounts incidentally to normal handling.

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SECTION 7 : Reactivity Data  
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Chemical Stability:

Stable

If No... Under What Conditions: Not Applicable.

Incompatibilities with Other Materials:

Incompatibility with other Substances: Yes

If So... Which Ones: Avoid exposure of product to light.

Reactivity:

Reactivity and Under What Conditions:

Avoid excessive heat and sunlight.

Hazardous Polymerization:

Will not occur.

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SECTION 8 : Precautions For Safe Handling  
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Spill Cleanup Measures:

Clean up mechanically. Dispose of according to local and national regulations.

Storage:

Store at 2-28 deg C/36-82 deg F.

Waste Disposal:

Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

Transportation Information:

Shipment: Not Applicable

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SECTION 9 : Control Measures  
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Ventilation System:

Good general ventilation should be sufficient.

Hand Protection Description:

Gloves: Yes

Eye/Face Protection:

Safety goggles

Respiratory Protection:

Not required.

Other Protective:

Avoid direct contact with eyes and skin.

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SECTION 10 : Other Information  
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MSDS Revision Date:

November 18, 2004

MSDS Author:

Anderjeet Gulati

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Disclaimer:

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