

Material Safety Data Sheet

according to NOHSC:2011(2003)



Product name : Ivoclar Vivadent SpeedCEM
Statement of Hazardous Nature : This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.
Revision : 5.11.2010 **Version :** 1.0.0
Print date : 5.11.2010

01. Identification of substance, preparation and company

Product name : Ivoclar Vivadent SpeedCEM
Use of the substance / preparation : Self-adhesive self-curing dental resin cement with light-curing option
Manufacturer/Supplier : Ivoclar Vivadent AG
Street/P.O.Box : Benderstrasse 2 FL-9494
Country code/Postal code/Town/City : D-Schaan Fürstentum Liechtenstein
Telephone : +423/235 35 35
Telefax : +432/235 33 60
Distributor : Ivoclar Vivadent P/L (Australia), 1-5 Overseas Drive, Noble Park North, Victoria 3174
Phone No.: +61-3 9795 9599, Tele fax No.: +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 : Not classified
ADG Classification: not classified
UN Number: not classified

Particular information pertaining specific risk for human and environment

Uncured material: May cause sensitization by skin contact. Direct contact may cause eye and skin irritation.

03. Composition/information on ingredients

Chemical characterization

Paste of dimethacrylates, inorganic fillers, copolymer, ytterbiumtrifluoride, initiators, stabilizers and pigments

Hazardous components

20 - 30 % Dimethacrylates (CAS No. 109-16-0 and 72869-86-4) Xi: Irritant. R36/38: Irritating to eyes and skin.
CAS No. 85590-00-7 < 3.5 % Methacrylated phosphoric acid ester Xi: Irritant. R36/38: Irritating to eyes and skin.
CAS No. 94-36-0 < 1 % Benzoylperoxide Xi: Irritant. E: Explosive. R2: Risk of explosion by shock, friction, fire or other sources of ignition. R36: Irritating to eyes. R43: May cause sensitisation by skin contact.

Other ingredients determined not be hazardous

None

04. First-aid measures

General

Immediately remove all contaminated clothing.

After inhalation

Let in fresh air. Call a doctor, should the air passages be affected.

After skin contact

Flush with plenty of water.

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After eye contact

Flush with plenty of water (10 - 15 min.). Contact a doctor immediately.

After ingestion

Drink plenty of water. Do not induce vomiting. Contact a doctor immediately.

05. Fire-fighting measures

Suitable extinguishing media

Water fog, carbon dioxide, foam, dry chemicals.

Unsuitable extinguishing media

Waterjet.

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

Cool containers in the vicinity of the blaze using a water spray.
Highly flammable liquid. Keep possible ignition sources away from vapours.

Special protective equipment

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 surface water/ground water.

Methods for cleaning up/collecting

Take up with a mechanical source and proceed according to the waste disposal regulations. Clean up with absorbent material such as sawdust, diatomaceous earth or universal absorbents.
Dispose of according to local and national regulations.
Do not allow to flow off into the drains or waters.

Additional information

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

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. Usual hygienic measures for dental practice

Information about protection against explosions and fires

No anti-explosion 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.

Information about separation of incompatible products

Store the foodstuffs separately.

08. Exposure controls and personal protection

Additional information about engineering measures

Control of threshold limitMAK (Maximale Arbeitsplatzkonzentration, Germany) is 50 ppm.
ACGIH (American Conference of Governmental Industrial Hygienists, USA) Threshold Limit Value (TLV) is 100 ppm (Ceiling).s

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

Dust and Vapours

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Specification : TWA (AUS)
Value : MAK 0.1 mg/m³

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. In poorly ventilated areas, use air-purifying respiratory protection apparatus

Hand protection

Short-term exposure (< 30 min): disposable gloves, e.g. nitrile rubber, material thickness 0.1 mm (Australian Standard 2161). Long-term exposure (Level 6: < 480 min): protective gloves, e.g. nitrile rubber, material thickness 0.7 mm (Australian Standard 2161). Commercial medical gloves do not provide protection against the sensitizing effect of methacrylates. Check penetration time for the specific gloves used with the glove manufacturer.

Eye protection

Use tightly fitting safety glasses (Australian Standard AS 1336 and AS/NZS 1337). Eye wash fountain should be located in immediate work area.

Body protection

No particular measures required.

09. Physical and chemical properties

Image

Form : Paste
Colour : Off White to cream
Odour : Characteristic

Relevant safety data

Melting point / range :	(1013 hPa)		Not applicable	°C	
Boiling point / range :	(1013 hPa)	ca.	Not applicable	°C	
Flash point :			>150	°C	DIN 51755
Ignition temperature :			Not measured	°C	
Viscosity			Not applicable	mPas	
Vapour pressure				mbar	
Density :	(20 °C)			g/cm ³	
Solubility in water :	(20 °C)		Not soluble	% b.w.	
pH value :			Not measured		

10. Stability and reactivity

Conditions to avoid

none

Materials to avoid

none

Hazardous decomposition products

none

11. Toxicological information

Toxicological tests

This product possesses no cytotoxic potential.
Non-mutagenic (Ames-test)

Primary irritant effect

Uncured material: prolonged or frequently repeated skin contact may cause allergic skin reactions.

Sensitization

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

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Experience on practice

none

12. Ecological information

Details on elimination (persistence / degradability)

Abiotoxic elimination

No data available.

Biological degradation / elimination

No data available.

Fate in environmental compartments

There are no data available on the preparation itself.

Ecotoxic effects

Performance in sewage-treatment plants

The product must not enter effluent, ground water, surface water or the soil.

13. Disposal considerations EU waste key 20 01 39

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.

14. Transport information

Land transport ADG

Classification

Class :	- ADR	
	UN Number	RID
	Packing Group shipping name	Kemler Number

Maritime transport IMDG

Classification

IMDG-Code :	- ADNR	
	EMS UN Number	
	Packing Group shipping name	IMDG MFAG

Air transport ICAO-TI and IATA-DGR

Classification

Class :	ICAO / IATA-DGR		
	Class		
	Proper shipping name		
	Packing Instructions		
	Packing Instructions		
	UN Number	Subsidiary Risk Labels	Packing Instructions
	Packing Group		Packing Group
Passenger airplane			
Cargo Airplane			
Further information			
Labels			

