

Material Safety Data Sheet

according to NOHSC:2011(2003)



Product name : Ivoclar Vivadent IPS e.max Press / IPS e.max Press Multi
Statement of Hazardous Nature : This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.
Revision : 20.10.2014 **Version :** 1.0.0
Print date : 20.10.2014

01. Identification of substances, preparation and company

Product name: Ivoclar Vivadent IPS e.max Press / IPS e.max Press Multi
Use of the substance / preparation: Manufacture of dental prosthesis
Manufacturer / Supplier: Ivoclar Vivadent AG
Street / P O Box: Benderstrasse 2
Country code / Postal Code / Town / City: FL-9494 Schaan
Principality of Liechtenstein
Telephone: + 423 235 35 35
Telefax: + 423 235 33 60
Distributor: Ivoclar Vivadent Pty Ltd
1 – 5 Overseas Drive
Noble Park North VIC 3174
Australia
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 classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.

Hazard designation

Classification: Not classified as a dangerous good for transport.

ADG Classification: Not classified

UN Number: Not classified

Particular information pertaining specific risk for human and environment

R phrases

none

S phrases

S22 | Do not breathe dust.
S23 | Do not breathe vapours.

03. Composition / information on ingredients

Chemical characterisation

Lithium disilicate glass-ceramic ingot.

Hazardous components

CAS NO: 66402-68-4 >57% Ceramic materials EINECS: 266-340-9

Dangerous component / Risk phrases:

none

04. First-aid measures

General

Remove all contaminated clothing. Melted material presents a special hazard of deep thermal burns. Avoid grinding dust. Let in fresh air. Remove to fresh air. Seek medical assistance immediately.

After inhalation

Let in fresh air. Remove to fresh air. Seek medical assistance immediately.

After skin contact

Melted material presents a special hazard of deep thermal burns. If burns occur seek medical assistance immediately. After contact with skin, wash immediately with plenty of water. Seek medical assistance immediately.

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.

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05. Fire-fighting measures

Suitable extinguishing media

Not combustible under normal conditions. Adapt extinguishing measures to suit the environment.

Unsuitable extinguishing media

Waterjet. Do not use direct water stream.

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

None known.

Special protective equipment

When extinguishing fires, use breathing apparatus with an independent source of air.

Firefighters should wear full protective clothing including self-contained breathing apparatus.

06. Accidental release measures

Personal precautions

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

Environmental precautions

Complete the disposal in compliance with all applicable Local, State and Federal government regulations.

Methods for cleaning up / collecting

Take up with a mechanical source and precede according to the water disposal regulations.

Complete the disposal in compliance with all applicable Local, State and Federal government regulations.

Additional information

Complete the disposal in compliance with all applicable Local, State and Federal government regulations

07. Handling and storage

Information for safe handling

Keep out of reach of children.

Only adequately trained personnel should handle this product.

When using – do not eat, drink or smoke.

Information about protection against explosions and fires

No anti-explosion measures necessary.

Requirements to be met by storerooms and containers

Store only in original container.

Store in a dry, well-ventilated area in the original container.

Store at 2 – 28°C / 36 – 82°F. Do not store in open sunshine.

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 guidelines.

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

Dust & vapours

Specifications: TWA (AUS)

Value: MAK 0.1mg/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

Provide for good ventilation.

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

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).

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Commercial medical gloves do not provide protection against the sensitising effect of methacrylates. Check penetration time for the specific gloves used with the glove manufacturer. Solvent resistant gloves.

Eye protection

Avoid contact with eyes. Use tightly fitting safety glasses (Australian Standard AS 1336 and AS/NZS 1337). An eyewash fountain should be located in the immediate working area. Wear eye protection when mixing or using. Use approved close fitting safety goggles and / or visor for splash protection.

Body protection

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

09. Physical and chemical properties

Image

Form: Ingot
Colour: According to product specification
Odour: Characteristic

Relevant safety data

Melting point/range:	(1013 hPa)		n/a	°C	
Casting point/range:	(1013 hPa)	ca.	n/a	°C	
Flash point:			n/a	°C	DIN 51755
Ignition temperature			n/a	°C	
Viscosity:			n/a	mPas	
Vapour pressure:			n/a	mbar	
Density:	(20°C)		Not known	g/cm ³	
Solubility in water:	(20°C)		Not soluble	g/l	
pH value:			n/a		

10. Stability and reactivity

Conditions to avoid

No further relevant information available.

Materials to avoid

No further relevant information available.

Hazardous decomposition products

No further relevant information available.

11. Toxicological information

Toxicological tests

LD/LC50 values relevant for classification:-

none

Primary irritant effect

Dust and vapours generated from cutting or grinding operations may cause respiratory irritation.

Sensitisation

Dust and vapours generated from cutting or grinding operations may cause respiratory irritation.

Experience on practice

Dust and vapours generated from cutting or grinding operations may cause respiratory irritation.

12. Ecological information

Details on elimination (persistence / degradability)

Abiotal elimination

No data available.

Biological degradation / elimination

No data available.

Fate in environmental compartments

No data available.

Ecotonical effects

Performance in sewage/treatment plants

No data available.

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13. Disposal consideration

Product

Concentrate: Complete the disposal in compliance with all applicable Local, State and Federal government regulations.

Contaminated packaging

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Un-cleaned packaging must be disposed of in the same manner as the medium.

Responsibility for proper waste disposal rests with the generator of the waste.

Dispose of any waste material (including containers) in accordance with all applicable Local, State and Federal government regulations regarding waste management methods.

14. Transport information

Land transport ADG

Classification: Not classified as a dangerous good for transport.

ADG Class: | not classified

UN Number: | not classified

Maritime transport IMDG

Classification: Not classified as a dangerous good for transport.

ADNR Class: | not classified

UN Number: | not classified

Air transport ICAO-TI and IATA-DGR

Classification: Not classified as a dangerous good for transport.

ICAO/IATA Class: | not classified

UN Number: | not classified

15. Regulatory information

Danger symbol and danger designation

none

Hazard-determining components of labelling

none

R phases

none

S phrases

S22 | Do not breathe dust.

S23 | Do not breathe vapours.

16. Other information

Processing instructions / technical data sheets

Please observe the label / directions for use.

Further information

Important Note: The above-mentioned data correspond to our present state of knowledge and experience as of the date noted and are for use only as a guide in connection with occupational health and safety. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on the properties of the product.

We make no representation, guarantee or warranty, express or implied, as to the accuracy, reliability or completeness of the information and assume no responsibility for injury damage or loss resulting from the use of the material.

Contact

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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.
