

Material Safety Data Sheet

according to NOHSC:2011(2003)



Product name : Ivoclar Vivadent IvoBase Hybrid Polymer / Ivobase High Impact Polymer
Statement of Hazardous Nature : This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.
Revision : 09.12.2013 **Version :** 1.0.0
Print date : 09.12.2013

01. Identification of substances, preparation and company

Product name: Ivoclar Vivadent IvoBase Hybrid Polymer / Ivobase High Impact Polymer
Use of the substance / preparation: Denture base material
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.

ADG Classification: Not Classified

UN Number: Not Classified

Particular information pertaining specific risk for human and environment

R phrases

R36/37/38 | Irritating to eyes, respiratory system and skin.
R43 | May cause sensitisation to skin on contact.

S phrases

S2 | Keep out of the reach of children.
S9 | Keep container in a well-ventilated place.
S24/25 | Avoid contact with skin and eyes.
S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39 | After contact with skin, wash immediately with plenty of water and soap. Wear suitable gloves and eye/face protection.

03. Composition / information on ingredients

Chemical characterisation

95% Polymethylmethacrylate.

Hazardous components

None.

Dangerous component / Risk phrases:

R43 | May cause sensitisation to skin on contact.
R36/37/38 | Irritating to eyes, respiratory system and skin.

04. First-aid measures

General

No special measures required.

After inhalation

Let in fresh air. Remove to fresh air. Seek medical assistance immediately should the air passage be affected.

After skin contact

After contact with skin, wash immediately with plenty of water and soap. Generally, this product does not irritate the skin. Wear suitable gloves and eye/face protection.

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After eye contact

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

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

05. Fire-fighting measures

Suitable extinguishing media

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

Prevent from flowing into surface water / ground water. Complete the disposal in compliance with all applicable Local, State and Federal government regulations.

Methods for cleaning up / collecting

Do not allow to flow off into the drains, surface water / ground water.

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

Prevent skin and eye contact. Clean up with absorbent material. Remove according to regulations.

07. Handling and storage

Information for safe handling

Containers to be opened and handled with care. Make sure ventilation is adequate. Use only in a well-ventilated area.

Only adequately trained personnel should handle this product.

Keep out of reach of children.

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

Information about protection against explosions and fires

None known.

Requirements to be met by storerooms and containers

Store only in original container.

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

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 foodstuffs separately.

08. Exposure controls and personal protection

Additional information about engineering measures

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

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

Specifications: TWA (AUS)

Value: MAK 0.0mg/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. Wash hands after use.

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Respiratory protection

Provide for good ventilation. Avoid vapour or spray mist. Use in a well-ventilated area. Use respiratory protection device against the effects of dust.

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).

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

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

Body protection

No particular measures required.

09. Physical and chemical properties

Image

Form: Powder
Colour: Colourless
Odour: Characteristic

Relevant safety data

Melting point/range:	(1013 hPa)		150	°C	DIN 51755
Casting point/range:	(1013 hPa)	ca.	Not determined	°C	
Flash point:			250	°C	
Ignition temperature			Not determined	°C	
Explosion limits:					
• Lower			Not determined	Vol %	
• Upper			Not determined	Vol %	
Vapour pressure:	(20°C)		Not determined	hPa	
Viscosity:			Not determined		
Density:	(20°C)		1.2	g/cm ³	
Solubility in water:	(20°C)		Nearly soluble	g/l	
pH value:			Not determined		

10. Stability and reactivity

Conditions to avoid

Avoid excessive heat and direct sunlight.

Materials to avoid

None is used in accordance to instructions.

Hazardous decomposition products

None.

Conditions to avoid

Avoid excessive heat and direct sunlight.

11. Toxicological information

Toxicological tests

Non-toxic.

Specification: None

Test species: None

Value / dosage: None

Primary irritant effect

None

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Sensitisation

None.

Experience on practice

None.

12. Ecological information

Details on elimination (persistence / degradability)

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

Abiotoxic elimination

No data available.

Biological degradation / elimination

No data available.

Fate in environmental compartments

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

Ecotoxicological effects

Performance in sewage/treatment plants

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

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

ADG Class: Not classified

UN Number: Not classified

Packing Group: Not classified

UN proper shipping name: Not classified

Maritime transport IMDG

Classification: Not classified

ADG Class: Not classified

UN Number: Not classified

Packing Group: Not classified

UN proper shipping name: Not classified

Air transport ICAO-TI and IATA-DGR

Classification: Not classified

ICAO/IATA Class: Not classified

UN Number: Not classified

ADR/RID: Not classified

Packing Group: Not classified

Packing Instructions: Not classified

UN proper shipping name: Not classified

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15. Regulatory information

Danger symbol and danger designation

None

Hazard-determining components of labelling

None

R phrases

R36/37/38 | Irritating to eyes, respiratory system and skin.

R43 | May cause sensitisation to skin on contact.

S phrases

S2 | Keep out of the reach of children.

S9 | Keep container in a well-ventilated place.

S24/25 | Avoid contact with skin and eyes.

S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 | After contact with skin, wash immediately with plenty of water and soap.

S29 | Do not empty into drains.

S37/39 | After contact with skin, wash immediately with plenty of water and soap. Wear suitable gloves and eye/face protection.

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.

Date of Issue of Original: 15th November 2010

This is a medical device classified under the requirement of EU and TGA.

Contact

Dr Peter Lobo - Ivoclar Vivadent Pty Ltd 1 – 5 Overseas Drive Noble Park North VIC 3174 Australia

Tel: + 61 3 9795 9599

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.