

Material Safety Data Sheet

according to NOHSC:2011(2003)



Product name : Ivoclar Vivadent Virtual 380 Mono Fast Catalyst
Statement of Hazardous Nature : This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.
Revision : 29.09.2014 **Version :** 1.0.1
Print date : 29.09.2014

01. Identification of substances, preparation and company

Product name: Ivoclar Vivadent Virtual 380 Mono Fast Catalyst
Use of the substance / preparation: Dental impression 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 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

R20 Harmful by inhalation.
R22 Harmful if swallowed.
R37 Irritating to respiratory system.
R41 Risk of serious damage to eyes.
R48 Danger of serious damage to health by prolonged exposure.
R50 Very toxic to aquatic organisms.

S phrases

S2 Keep out of the reach of children.
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.
S37/39 Wear suitable gloves and eye/face protection.

03. Composition / information on ingredients

Chemical characterisation

Mixture of Cristobalite, 4-Nonylphenyl-polyethylene glycol and other non-hazardous materials.

Hazardous components

| | | | | |
|--------------------|---------|-----------------------------------|-------------------|-------------------------------|
| CAS NO: 14464-46-1 | 2.5-10% | Cristobalite | EINECS: 238-455-4 | Xn: R20 R48 |
| CAS NO: 9016-45-9 | <2.5% | 4-Nonylphenyl-polyethylene glycol | EINECS: 500-024-6 | Xn: R22 Xi: R37 R41 N: R50 |

Dangerous component / Risk phrases:

R20 Harmful by inhalation.
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04. First-aid measures

General

Immediately remove all contaminated clothing. Let in fresh air. In case of unconsciousness, place patient stably in side position and seek medical assistance immediately.

After inhalation

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

After skin contact

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

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 larger fires with water spray and alcohol resistant foam.

Unsuitable extinguishing media

Waterjet.

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

Prevent from flowing into surface water / ground water. .

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.

Clean up with liquid binding material (sand, dolomite, acid binders, universal binders and sawdust).

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

Additional information

Prevent skin and eye contact.

07. Handling and storage

Information for safe handling

Keep out of reach of children.

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.

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. 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.

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08. Exposure controls and personal protection

Additional information about engineering measures

The 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)

None.

Specifications: TWA (AUS)

Value: MAK 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.

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).

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

No particular measures required.

09. Physical and chemical properties

Image

Form: Viscous
 Colour: White
 Odour: Odourless

Relevant safety data

| | | | | | |
|----------------------|------------|-----|----------------------------------|-------------------|-----------|
| Melting point/range: | (1013 hPa) | | Undetermined | °C | |
| Casting point/range: | (1013 hPa) | ca. | Undetermined | °C | |
| Flash point: | | | n/a | °C | DIN 51755 |
| Ignition temperature | | | n/a | °C | |
| Viscosity: | | | Not determined | mPas | |
| Vapour pressure: | | | Not determined | mbar | |
| Density: | (20°C) | | Not determined | g/cm ³ | |
| Solubility in water: | (20°C) | | Not miscible or difficult to mix | g/l | |
| pH value: | | | n/a | | |

10. Stability and reactivity

Conditions to avoid

Stable under normal handling and storage conditions.

Materials to avoid

No further relevant information available.

Hazardous decomposition products

No further relevant information available.

11. Toxicological information

Toxicological tests

Primary irritant effect

Prolonged or repeated exposure may cause drying or irritation of the eyes, skin and mucous membranes.

Ingestion and prolonged exposure to skin and eyes should be avoided, as should inhalation of any generated vapours.

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Sensitisation

Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals.

Experience on practice

Excessive exposure may cause eye and 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

Slightly hazardous for water.

Undiluted product or large quantities of this product must not enter effluent, ground water, surface water or the soil.

Ecotonical effects

Performance in sewage/treatment plants

Undiluted product or large quantities of this product must not enter effluent, ground water, surface water or the soil.

13. Disposal consideration

Product

Concentrate: Avoid contamination of ground water or waterways.

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

Clean up with liquid binding material (sand, dolomite, acid binders, universal binders and sawdust).

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

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15. Regulatory information

Danger symbol and danger designation

none

Hazard-determining components of labelling

none

R phases

| | |
|-----|---|
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S phrases

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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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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.