

Material Safety Data Sheet

according to NOHSC:2011(2003)



Product name : Ivoclar Vivadent Systemp Desensitiser
Statement of Hazardous Nature : This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.
Revision : 13.02.2009 **Version :** 1.0.0
Print date : 13.02.2009

01. Identification of substance, preparation and company

Product name : Ivoclar Vivadent Systemp Desensitiser
Use of the substance / preparation : Desensitiser

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

May cause sensitisation by skin contact. Irritating to eyes and skin.

03. Composition/information on ingredients

Chemical characterization

Mixture of water, glutaraldehyde, maleic acid and polyethyleneglycoldimethacrylate

Hazardous components

CAS No. 110-16-7 < 0.1 % Maleic acid

CAS No. 111-30-8 5 % Glutaraldehyde

Other ingredients determined not be hazardous

Risk of serious damage to eyes. Harmful by inhalation and if swallowed. Irritating to respiratory system and skin. May cause sensitization by inhalation and in skin contact.

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.

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After skin contact

Flush with plenty of water.

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

None known.

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.

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. Do not store in open sunshine.

Information about separation of incompatible products

Store the foodstuffs separately.

08. Exposure controls and personal protection

Additional information about engineering measures

Control of threshold limits Glutaraldehyde: MAK (Maximale Arbeitsplatzkonzentration, Germany) is 0.1 ppm. ACGIH (American Conference of Governmental Industrial Hygienists, USA) Threshold Limit Value (TLV) is 0.2 ppm.

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

Dust and Vapours

Specification : TWA (AUS)

Value : MAK 0.1 mg/m³

Personal protective equipment

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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.

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 : liquid
Colour : colourless
Odour : characteristic

Relevant safety data

Melting point / range :	(1013 hPa)		not applicable	°C	
Casting point / range :	(1013 hPa)	ca.	not applicable	°C	
Flash point :			not applicable	°C	DIN 51755
Ignition temperature :			not applicable	°C	
Lower explosion limit :			not applicable	% b.v.	
Upper explosion limit :			not applicable	% b.v.	
Density :	(20 °C)		1.38	g/cm ³	
Solubility in water :	(20 °C)		soluble	% b.w.	
pH value :				4	

10. Stability and reactivity

Conditions to avoid

None, if handled according to order.

Materials to avoid

None known.

Hazardous decomposition products

None if used in accordance with instructions.

11. Toxicological information

Toxicological tests

Oral LD50 for rats: 3900 mg/kg

May cause severe eye irritation. Eye Contact: (see 4.0., First aid measures). Eye Contact: (see 4.0., First aid measures)

Mucous membranes: irritating.

Primary irritant effect

Prevent skin and eye contact. Uncured material: prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals.

Sensitization

Mucous membranes: irritating. Prevent skin and eye contact. Sensitisation.

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Experience on practice

The product has sensitizing effects. Long contact: irritating of skin/eyes/respiratory tract.

Skin sensitisation may develop from prolonged, repeated skin contact. Avoid excessive heat and direct sunlight.

Avoid exposure to light. Uncured material: prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals.

12. Ecological information

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

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.

Ecotoxicological 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 18 01 06

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 Proper Kemler Number
shipping name

Maritime transport IMDG

Classification

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

Air transport ICAO-TI and IATA-DGR

Classification

Class : - ICAO / IATA-DGR Subsidiary Risk Labels Packing Instructions
Proper shipping name Packing Group
UN Number

15. Regulatory information

Classification

Danger symbol and danger designation

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Xn: Harmful. Contains Maleic acid, Glutaraldehyde.

Hazard-determining components of labelling

None : MAK value 0.0 mg/m³ ml/m³ (ppm)

R-phrases

43 May cause sensitisation by skin contact.
36/37/38 Irritating to eyes, respiratory system and skin.

S-phrases

2 Keep out of the reach of children.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice .
28 After contact with skin, wash immediately with plenty of water and soap.
37/39 Wear suitable gloves and eye/face protection.

BVDclassification(CH)

16. Other information

Processing instructions / technical data sheets

Please observe the label/directions for use!

Further information

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

Contact

Dr. Peter Lobo

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
