

Material Safety Data Sheet

according to NOHSC:2011(2003)



Product name : Ivoclar Vivadent Neutralising Powder for IPS Ceramic Etching Gel
Statement of Hazardous Nature : This product is classified as: Hazardous according to criteria of National Occupational Health and Safety Commission.
Revision : 27.01.2009 **Version :** 1.0.1
Print date : 27.01.2009 **Au Original**

01. Identification of substance, preparation and company

Product name : Ivoclar Vivadent: Neutralising Powder for IPS Ceramic Etching Gel
Use of the substance / preparation : Neutralising Powder for IPS Etching gel for dental ceramic is used to neutralising the etching gel.
Manufacturer/Supplier : Ivoclar Vivadent AG
Street/P.O.Box : Bendererstrasse 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, Telefax No.: +61-3 9795 9645
Emergency information : Poisons Information Centre: Dial 13 11 26
24 hours a day, 7 days a week Australia wide: New Zealand 0800 764 766

02. Hazards identification

Statement of Hazardous Nature

This product is classified as: Hazardous according to criteria of National Occupational Health and Safety Commission.
Non-Dangerous Goods according to ADG.

Hazard designation

Irritating to eyes, respiratory system and skin. Dust generation.

Hazard Identification Xi = Irritant

Particular information pertaining specific risk for human and environment

Risk Phrases: R36 = Irritating to eyes

Safety Phrases:

S22 = Do not breathe dust.

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

03. Composition/information on ingredients

Chemical characterization

The full text for Xi and R-phrases is displayed in section 2 (above).

Hazardous components

Sodium Carbonate Cas No.:497-19-8

Percentage : 50 %

Classification : Xi;R36

Other ingredients determined not be hazardous

Calcium carbonate ; CAS-No. : 471-34-1

Percentage : to 100 %

Classification : Not Hazardous

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04. First-aid measures

General

Immediately remove all contaminated clothing. Prompt medical consultation is essential. Exposed persons should be kept under medical observation for at least 48 hours because delayed effects may occur.

After inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

After skin contact

Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard.

After eye contact

Flush with plenty of water (10 - 15 min.). Contact a doctor immediately. Consult a physician or transport to emergency facility immediately. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

After ingestion

Drink plenty of water. Do not induce vomiting. Give large amounts of water or milk if available and transport to medical facility. Immediately seek medical advise.

05. Fire-fighting measures

Suitable extinguishing media

Water fog, carbon dioxide, extinguishing powder (dry chemical). DO NOT use a direct water jet. **HAZCHEM Code Xi = Irritant**

Unsuitable extinguishing media

None ; Not Flammable / Non combustible.

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

Consider evacuation. Prevent any spillage from entering drains or watercourses.
Cool containers in the vicinity of the blaze using a water spray.

Special protective equipment

Fire fighters should wear full protective clothing, including self-contained breathing apparatus.

06. Accidental release measures

Personal precautions

Avoid contact with eyes, skin and clothing. Wear suitable gloves and approved close fitting safety goggles. Avoid breathing in dust. Use only in a well-ventilated area - use local exhaust ventilation. In dusty atmospheres, use an approved dust respirator.

Environmental precautions

Prevent from flowing into surface water/ground water. Clean area with large amounts of water. Complete the disposal in compliance with all applicable local, state and federal government regulations. Refer to Section 13.

Methods for cleaning up/collecting

Avoid raising dust. Sweep up, place in a container and hold for waste disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Ventilate area and wash spill site after material pick-up is complete.

Additional information

Remove according to regulations.

07. Handling and storage

Information for safe handling

Containers to be opened and handled with care. Make sure that ventilation is adequate. Use only in a well ventilated area; Only adequately trained personnel should handle this product.

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Only adequately trained personnel should handle this product. Keep out of reach of children.
Avoid contact with eyes, skin and clothing. Avoid dust build-up breathing in dust and ingesting. Avoid prolonged or repeated exposure. Avoid spilling. Do not eat, drink, or smoke while handling. Wash hands thoroughly before eating or drinking.
See also Section 8.

Information about protection against explosions and fires

No anti-explosion measures necessary. Not combustible

Requirements to be met by storerooms and containers

Store in a dry, well-ventilated place in the original container. Store at 2-28 °C / 36-82 °F. . Keep container tightly closed.

Information about separation of incompatible products

Store the foodstuffs separately.

08. Exposure controls and personal protection

Additional information about engineering measures

Use only in a well ventilated area. Local exhaust ventilation, safety shower and eye bath required.

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

No exposure standards have been established for this material, or its constituents by NOHSC

Personal protective equipment

Do not eat or drink during work - no smoking. Keep away from food, drink and animal feeding stuff. Use appropriate skin protection cream before work. Avoid contact with skin and eyes.

Respiratory protection

Avoid breathing in dust. Use only in a well-ventilated area - use local exhaust ventilation. In dusty atmospheres, use an approved dust respirator.

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).

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. Avoid contact with eyes.

Body protection

Avoid contact with skin. Wear protective gloves when mixing or using. Wash gloves thoroughly, immediately after use. Remove any contaminated clothing and wash before reuse or discard.

09. Physical and chemical properties

Image

Form : Powder
Colour : White
Odour : Odourless

Relevant safety data

Melting point / range :	(1013 hPa)	no data available	°C	
Boiling point / range :	(1013 hPa)	ca.	79	°C
Flash point :		not flammable	°C	DIN 51755
Ignition temperature :		not applicable	°C	
Lower explosion limit :		not applicable	% b.v.	
Upper explosion limit :		not applicable	% b.v.	
Density : Vapour Density	(20 °C)	not applicable	g/cm ³	
Solubility in water :	(20 °C)	Partially miscible	% b.w.	
pH value :	ca		11.3	10g/L

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10. Stability and reactivity

Conditions to avoid

Moisture

Materials to avoid

Strong acids. Strong oxidising agents. Magnesium. Aluminium.

Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Sodium/sodium oxides. Calcium oxide.

Chemical Stability: Stable under normal conditions of handling, use and transportation.

Hazardous Reactions: None known under normal conditions of use.

11. Toxicological information

Toxicological tests

LD50/LC50 values that are relevant for classification

Specification : LD-50
Routes of entry : oral
Test species : Rat
Value / dosage : > 5000 mg/kg

Primary irritant effect

Ingestion:

Oral LDLo (Human): 714 mg/kg (sodium carbonate)

Oral LD50 (Rat): 4090 mg/kg (sodium carbonate)

Oral LD50 (Mouse): 6600 mg/kg (sodium carbonate)

Inhalation:

Inhalation LC50 (Guinea pig): 800 mg/m³ (Sodium carbonate)

Inhalation LC50 (Mouse): 1200 mg/m³ (Sodium carbonate)

Inhalation LC50 (Rat): 2300 mg/m³ (Sodium carbonate)

Skin & Eye Contact:

Excessive exposure may cause eye and respiratory irritation

Sensitization

No data available.

Experience on practice

No data available.

12. Ecological information

Details on elimination (persistence / degradability)

Abiotoxic elimination

No data available.

Biological degradation / elimination

Data not available. Partially miscible. No ecological problems anticipated if handled as recommended.

Fate in environmental compartments

There are no data available on the preparation itself. No specific ecological effects

Ecotoxicological effects

Daphnia magna LC50 (48 h): 265 mg/L (Sodium carbonate)

Lepomis macrochirus LC50 (96 h): 300 mg/L (Sodium carbonate)

Nitzschia linearis (Algae) LC50 (5 d): 242 mg/L (Sodium carbonate)

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13. Disposal considerations

Product

Take to an approved landfill or a waste incineration plant, under conditions approved by the local authority.

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 regulations regarding waste management methods.

Contaminated packaging

Dispose of any waste material (including containers) in accordance with all applicable local, state and federal regulations regarding waste management methods.

14. Transport information

UN Number: Not applicable

UN Proper Shipping Name: Not applicable

Class and Subsidiary Risk: Not applicable

Packing Group: Not applicable

Special Precautions for User: Not applicable

Hazchem Code: Not applicable

15. Regulatory information

Classification

Poison Schedule (in accordance with the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP)): Not Scheduled

Australian Inventory of Chemical Substances (AICS): Ingredients included on the AICS.

National Regulations and References: National Code of Practice for the Control of Workplace Hazardous Substances. National Code of Practice for the Storage and Handling of Workplace Dangerous Goods. National Code of Practice for the Labelling of Workplace Substances. National Code of Practice for the Preparation of Material Safety Data Sheets. Approved Criteria for Classifying Hazardous Substances. The Australian Dangerous Goods Code. The Standard for the Uniform Scheduling of Drugs and Poisons.

Danger symbol and danger designation



Xi ; Irritant - DANGER

Hazard-determining components of labelling

R-phrases

36 Irritating to eyes, respiratory system and skin.

S-phrases

22 Do not breathe dust.

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

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.

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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.

Revision Comments: No comments – original issue.
Date of Issue of Original: 18th December 2008
Legend: CAS No. Chemical Abstracts Service Registry Number
EC No. European Commission Number
UN United Nations

Contact

Ivoclar Vivadent P/L (Australia), 1-5 Overseas Drive, Noble Park North, Victoria 3174
Phone No.: +61-3 9795 9599, Telefax No.: +61-3 9795 9645

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.
