

# Material Safety Data Sheet

according to NOHSC:2011(2003)



**Product name :** Ivoclar Vivadent **IPS e.max Alox Plunger Separator**  
**Statement of Hazardous Nature :** This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.  
**Revision :** 21.08.2009      **Version :** 1.0.0  
**Print date :** 21.08.2009

## 01. Identification of substance, preparation and company

**Product name :** Ivoclar Vivadent **IPS e.max Alox Plunger Separator**  
**Use of the substance / preparation :** Separation Liquid

**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  
Poisons Information Centre: Dial 13 11 26  
24 hours a day, 7 days a week Australia wide

### Emergency information :

## 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. Uncured material: Direct contact can cause eye and skin irritation. The material is contraindicated if a person is known to be allergic to any of the ingredients of the product.

### Hazard designation

Classification : Xi  
ADG Classification: R36/37: Irritating to eyes and respiratory system.  
UN Number: not classified

### Particular information pertaining specific risk for human and environment

None, if handled according to order. May cause sensitisation by skin contact with skin. Irritating to eyes, skin and mucus membranes.

## 03. Composition/information on ingredients

Chemical characterization. Suspension

### Hazardous components

CAS No. 10043-11-5 100 % Boron nitride

### Other ingredients determined not be hazardous

None

## 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. Take into fresh air

### After skin contact

Flush with plenty of water. Immediately wash skin with soap and 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. No hazards anticipated from swallowing small amounts incidentally Take into fresh air. If you feel unwell, seek medical advice Rinse mouth with plenty of water

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## 05. Fire-fighting measures

### **Suitable extinguishing media**

Carbon dioxide. Extinguishing powder. Water fog, foam, dry chemicals. 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.

## 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**

Remove according to regulations. Cool containers in the vicinity of the blaze using water spray. Clean up with absorbent material. Prevent skin and eye contact. Clean area with large amounts of water.

## 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. 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**

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. Avoid exposure to light.

### **Information about separation of incompatible products**

Store the 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 guideline.

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

Specification : TWA (AUS)  
Value : MAK 0 mg/m<sup>3</sup>

### **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

### **Respiratory protection**

Aerosol: Do not breathe vapour or spray. In poorly ventilated areas, use air-purifying respiratory protection apparatus ( type A ).

### **Hand protection**

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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).

## Body protection

No particular measures required.

## 09. Physical and chemical properties

### Image

**Form :** powder  
**Colour :** white  
**Odour :**

### Relevant safety data

<b>Melting point / range :</b>	( 1013 hPa )		not applicable	°C
<b>Casting point / range :</b>	( 1013 hPa )	ca.	not applicable	°C
Change of physical state Test method			2700	°C
<b>Ignition temperature :</b>			not applicable	°C
<b>Lower explosion limit :</b>			not applicable	% b.v.
<b>Upper explosion limit :</b>			not applicable	% b.v.
<b>Density :</b>	( 20 °C )		2.25	g/cm <sup>3</sup>
<b>Solubility in water :</b>	( 20 °C )		Not determined	% b.w.
<b>pH value :</b>			Not determined	

## 10. Stability and reactivity

### Conditions to avoid

None, if handled according to order. Avoid exposure of product to light

### Materials to avoid

None known.

### Hazardous decomposition products

None if used in accordance with instructions.

## 11. Toxicological information

### Toxicological tests

None stated

### Primary irritant effect

None stated

### Sensitization

None stated

### Experience on practice

## 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.

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### 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

### 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 EU waste key 16 05 05

**Class :** ADR 2 RID 2      RID  
0 Kemler Number

### Maritime transport IMDG

Classification

**IMDG-Code :** r 1950 EMS F-D, S-U  
MFAG --Packing  
Group --Proper shipping name  
Aerosols      IMDG  
MFAG

### Air transport ICAO-TI and IATA-DGR

Classification

**Class :** - g Cargo Airplane      Packing Instructions  
Packing Instructions      Subsidiary Risk Labels      Packing Group Max 50  
203      kg

## 15. Regulatory information

### Classification

Danger symbol and danger designation



Xi: Irritant. Contains . Boron nitride

### Hazard-determining components of labelling

None : MAK value 0.0 mg/m<sup>3</sup> ml/m<sup>3</sup> (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.

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## 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

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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.

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