

Material Safety Data Sheet

according to NOHSC:2011(2003)



Product name : Ivoclar Vivadent Separating Fluid for IPS Empress Die
Statement of Hazardous Nature : **Material**
This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.
Revision : 25.10.2010 Version : 1.0.0
Print date : 25.10.2010

01. Identification of substance, preparation and company

Product name : Ivoclar Vivadent Separating Fluid for IPS Empress Die Material
Use of the substance / preparation : Isolating 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
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

03. Composition/information on ingredients

Chemical characterization

Mixture of Mixture made of Wax dispersion in solvent

Hazardous components

CAS No. 110-54-3 > 95 % Hexane
Xn: Harmful. F: Highly flammable. N: Dangerous for the environment. R11: Highly flammable. R38: Irritating to skin.
R62: Possible risk of impaired fertility. R65: R67: Vapours may cause drowsiness and dizziness. R48/20: Harmful :
danger of serious damage to health by prolonged exposure through inhalation. R51/53: Toxic to aquatic organisms, may
cause long-term adverse effects in the aquatic environment.

Other ingredients determined not be hazardous

Vapours may cause drowsiness and dizziness. Highly flammable. Irritating to skin. Possible risk of impaired fertility.
Harmful : danger of serious damage to health by prolonged exposure through inhalation. Toxic to aquatic organisms,
may cause long-term adverse effects in the aquatic environment.

04. First-aid measures

General

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Immediately remove all contaminated clothing.

After inhalation

Let in fresh air. Call a doctor, should the air passages be affected.

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

. Do not use direct water stream.

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

Cool containers in the vicinity of the blaze using a water spray.

Highly flammable liquid. Keep possible ignition sources away from vapours.

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. Clean up with absorbent material such as sawdust, diatomaceous earth or universal absorbents.

Dispose of according to local and national regulations.

Do not allow to flow off into the drains or waters.

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.

Information about separation of incompatible products

Store the foodstuffs separately.

08. Exposure controls and personal protection

MAK (Maximale Arbeitsplatzkonzentration, Germany) is 50 ppm.ACGIH (American Conference of Governmental

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Industrial Hygienists, USA) Threshold Limit Value (TLV) is 50 ppm (Ceiling).

Additional information about engineering measures

Control of threshold limit

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

Dust and Vapours

Specification : TWA (AUS)
Value : MAK 0.0 mg/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

Respiratory protection

Provide for good ventilation. In poorly ventilated areas, use air-purifying respiratory protection apparatus

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 : Clear liquid
Colour : colourless
Odour : characteristic

Relevant safety data

Melting point / range :	(1013 hPa)		-95 °C	
Boiling point / range :	(1013 hPa)	ca.	+69 °C	
Flash point :			-12 °C	DIN 51755
Ignition temperature :			260 °C	
Viscosity			Not determined	mPas
Vapour pressure			160	mbar
Density :	(20 °C)		Not determined	g/cm ³
Solubility in water :	(20 °C)		Not measured	% b.w.
pH value :			Not measured	

10. Stability and reactivity

Conditions to avoid

With strong oxidisers.

Materials to avoid

The product is highly flammable. Avoid ignition sources such as flames or spark producing equipment.

Hazardous decomposition products

None.

11. Toxicological information

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Toxicological tests

Orale LD-50 / Ratte: > 28'710 mg/kg.
IHL-Rat LC-50: 48'000 ppm/4h.
Harmful by inhalation, in contact with skin and if swallowed.

Primary irritant effect

Excessive exposure to solvent may cause irritation to upper respiratory tract and lungs, gastrointestinal distress, anesthesia, and at higher concentrations, unconsciousness and death.

Sensitization

Not known

Experience on practice

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

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 20 01 13

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 3
UN Number 1208
Packing Group II RID 3
shipping name Kemler Number
Hexanes

Maritime transport IMDG

Classification

IMDG-Code : - ADNR 3
EMS UN Number 1208 Packing Group II IMDG 32-04
shipping name MFAG
Hexanes

Air transport ICAO-TI and IATA-DGR

Classification

Class : 3 ICAO / IATA-DGR Subsidiary Risk Labels Packing Instructions

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Class 3 Packing Group
Proper shipping name
Hexanes
Packing Instructions
305
max. 5 L
Packing Instructions
307
max. 60 L
UN Number
Packing Group
Passenger airplane
Cargo Airplane
1208
II
Further information
Sample shipment not allowed by mail.
Subsidiary Risk ---
Labels Flamm. liquid

15. Regulatory information

Classification

Danger symbol and danger designation



Xn: Harmful. F: Highly flammable. N: Dangerous for the environment. Contains Hexane.

Hazard-determining components of labelling

None : MAK value 0.1 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.
36/37/39 Wear suitable gloves and eye/face protection.
61/62 Avoid release to the environment. Refer to special instructions / Safety data sheets.
If swallowed, do not induce vomiting; seek medical advise immediately and show this container or label.

BVDclassification(CH) F I 1
AGW value 50 ml/m³ (ppm)
VbF (D) 210 mg/m³
AI

16. Other information

Processing instructions / technical data sheets

Please observe the label/directions for use!

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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.
