1 Commercial product name and supplier

1.1 Commercial product name / Designation

IPS e.max Crystall./Glaze Liquid

1.2 Application / Use

Ceramic

1.3 Producer

Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan, Fürstentum Liechtenstein

1.4 Supplier


1.5 TOX emergency number

Emergency-Call: +423 / 235 35 35 or 373 40 40
Ivoclar Vivadent AG, FL-9494 Schaan, Liechtenstein

2 Composition

2.1 Chemical characterization

Butanediol

2.2 Hazardous components

None.

2.3 Further information

None.

3 Hazards identification

None.

4 First aid measures

4.1 Eye contact

Flush eyes with plenty of water (10-15 min.). Call a physician.

4.2 Skin contact

Wash thoroughly with water.

4.3 Ingestion

No hazards anticipated from swallowing small amounts incidentally to normal handling.

4.4 Inhalation

Take into fresh air.

4.5 Further information

Remove contaminated clothing.

5 Fire-fighting measures

5.1 Suitable extinguishing media

Water fog, carbon dioxide, foam, dry chemicals.

5.2 Extinguishing media to avoid

Do not use direct water stream.

5.3 Further information

Exposed to the heat of a fire the product may decompose, releasing toxic fumes.
6 Accidental release measures
Dispose of according to local and national regulations.

7 Handling and storage

7.1 Handling
Only adequately trained personnel should handle this product.

7.2 Industrial hygiene
Avoid eye and skin contact. Usual hygienic measures are necessary.

7.3 Storage
Store at 12-28 °C / 54-82 °F.

7.4 Place of storage
Store containers tightly closed in a well ventilated area.

7.5 Fire- and explosion-protection
Not required.

8 Exposure controls / Personal protection

8.1 Technical measures
Ensure adequate venting.

8.2 Control of threshold limits
None established.

8.3 Personal protective equipment

8.3.1 Respiratory protection
Do not breathe vapour.

8.3.2 Hand protection
Gloves.

8.3.3 Eye protection
Safety goggles.

8.3.4 Other
Eye wash fountain should be located in immediate work area.

9 Physical and chemical properties

9.1 Appearance
Liquid

9.2 Colour
transparent colourless

9.3 Odour
practically odourless

9.4 Change of physical state
Test method:
Boiling point
> 200 °C

9.5 Density
> 1.005 g/cm³ (20°C)

9.6 Vapour pressure
0.06 mbar (20°C)

9.7 Viscosity
not known
9.8 Solubility
   water
   soluble

9.9 pH
   not determined

9.10 Flash point
   > 100 °C

9.11 Ignition temperature
   > 390 °C

9.12 Explosion limits
   Lower: > 1.9 Vol%
   Upper:

9.13 Further information

10 Stability and reactivity

10.1 Thermal decomposition
   None, if used in accordance to instructions.

10.2 Hazardous decomposition products
   None under normal conditions of storage and use.
   Combustion products include: Carbon monoxide and carbon dioxide

10.3 Hazardous reactions
   With strong oxidisers.

10.4 Further information
   Product is hygroscopic.

11 Toxicological information

11.1 Acute toxicity
   Oral LD50 for rats: 18610 mg/kg

11.2 Subacute / Chronic toxicity
   None, if used in accordance to instructions.

11.3 Further information
   Excessive exposure may cause eye and respiratory irritation.

12 Ecological information
   No ecological problems to be anticipated if properly handled and used.

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

13.1 EU waste key
   18 01 07

14 Transport information

14.1 Transport at land
   ADR --- RID ---

   UN Number --- Kemler Number
14.2 Transport at sea

| Packing Group | --- |
| Proper shipping name | --- |
| UN Number | --- |
| EMS | --- |
| Packing Group | --- |
| Proper shipping name | --- |

14.3 Air transport

| ICAO / IATA-DGR | --- |
| UN Number | --- |
| Proper shipping name | --- |
| Subsidiary Risk | --- |
| Labels | --- |
| Packing Group | --- |

Passenger airplane

| Packing Instructions | --- |
| max. | --- |

Cargo Airplane

| Packing Instructions | --- |
| max. | --- |

14.4 Further information

Product is not classified as a dangerous good for transport.

15 Regulatory information

This product does not require classification according to the criteria of the EC.

15.1 UN number

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15.2 National regulations

15.3 EU number

203-529-7

15.4 Hazard symbols

15.5 Hazard designation

15.6 Risk phrases

15.7 Safety phrases

15.8 MAK value

15.9 BVD classification (CH)

15.10 VbF (D)

15.11 Further information
The above mentioned data correspond to our present state of knowledge and experience. 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 properties.