

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

070358234

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

070358242 070358259

# Material Safety Data Sheet

VivaStyle 10% - 16%



Date of issue / Reference

22.12.2011 liprt / Version 4

Replaces version of

01.10.2007 lise / v3

Date of printing

22.12.2011 **Sheet No. 1460**

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Company

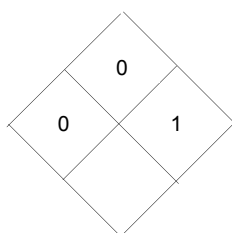
Ivoclar Vivadent AG, Bendererstrasse 2, FL - 9494 Schaan  
Principality of Liechtenstein

## 1 Commercial product name and supplier

1.1 Commercial product name /  
Designation

**VivaStyle**

### NFPA



### HMIS

HMIS	
H	0
F	0
R	1
C	

1.2 Application / Use

Tooth whitening gel

1.3 Producer

Ivoclar Vivadent AG, Bendererstrasse 2, 9494 Schaan  
Principality of Liechtenstein (FL)

1.4 Supplier

Ivoclar Vivadent, Inc.  
175 Pineview Drive, Amherst NY 14228, USA  
2785 Skymark Ave., Unit 1 Mississauga, ON L4W4Y3, Canada  
MSDS prepared by Andejeet Gulati. Tel. No. 716 691-0010

1.5 24 Hour Emergency Assistance

Emergency-Call USA- Infotrac: 1-800-535-5053  
Emergency-Call Canada - Canutec: 1-613-996-6666

General MSDS Assistance

US: 1-800-533-6825  
Canada: 1-800-263-8182

## 2 Composition

2.1 Chemical characterization

Mixture of glycerine > 80% (CAS No. 56-81-5), carbamide peroxide,  
polycarboxylic acid and peppermit oil

2.2 Hazardous components

CAS No. 124-43-6

10 - 16 % Carbamide peroxide

Xi: Irritant. R36/38: Irritating to eyes and skin.

2.3 Further information

None.

## 3 Hazards identification

Irritating to eyes, skin and mucous membrans

## 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 soap and water.

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- |     |                     |   |
|-----|---------------------|---|
| 4.3 | Ingestion           | Give large amounts of water. No hazards anticipated from swallowing small amounts incidentally to normal handling. If you feel unwell, seek medical advice (show this safety data sheet). |
| 4.4 | Inhalation          | Take into fresh air.  |
| 4.5 | Further information | Remove contaminated clothing.   |

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## 5 Fire-fighting measures

- |     |                              |                                    |
|-----|------------------------------|------------------------------------|
| 5.1 | Suitable extinguishing media | Water fog, carbon dioxide, foam    |
| 5.2 | Extinguishing media to avoid | None.                              |
| 5.3 | Flash point                  |                                    |
| 5.4 | Ignition temperature         |                                    |
| 5.5 | Explosion limits             | Lower:<br>Upper:<br>not applicable |
| 5.6 | Further information          | None.                              |

Test method:

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## 6 Accidental release measures

Clean up with absorbent material.  
Clean area with large amounts of water.  
Prevent skin and eye contact.

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## 7 Handling and storage

- |     |                                |  |
|-----|--------------------------------|--|
| 7.1 | Handling                       | Only adequately trained personnel should handle this product.  |
| 7.2 | Industrial hygiene             | Keep out of reach of children.<br>Practice care and caution to avoid skin and eye contact.<br>Usual hygienic measures for dental practice. |
| 7.3 | Storage                        | Store at 5-22 °C / 41-72 °F.   |
| 7.4 | Place of storage               |  |
| 7.5 | Fire- and explosion-protection | Keep away from heat source.  |

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## 8 Exposure controls / Personal protection

- |       |                               |  |
|-------|-------------------------------|--|
| 8.1   | Technical measures            | Good general ventilation should be sufficient. |
| 8.2   | Control of threshold limits   | None established.                              |
| 8.3   | Personal protective equipment |  |
| 8.3.1 | Respiratory protection        | Not required.                                  |

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8.3.2 Hand protection Gloves.  
8.3.3 Eye protection Where contact with liquid is likely, safety glasses are recommended.  
8.3.4 Other None.

## 9 Physical and chemical properties

9.1 Appearance Gel  
9.2 Colour colourless to light yellow  
9.3 Odour practically odourless  
9.4 Change of physical state Test method:  
not applicable  
9.5 Density 1.25 g/cm<sup>3</sup> (20°C)  
9.6 Vapour pressure  
not applicable  
9.7 Viscosity 2.0 - 2.5 mPa·s (20°C)  
9.8 Solubility  
Solubility in water soluble  
9.9 pH 5.0 - 6.5  
9.10 Further information None.

## 10 Stability and reactivity

10.1 Thermal decomposition None, if used in accordance to instructions.  
No decomposition below 30 °C.  
10.2 Hazardous decomposition products Product may decompose at elevated temperatures generating vapours which could be irritating.  
10.3 Hazardous reactions Avoid excessive heat and direct sunlight.  
10.4 Further information None.

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## 11 Toxicological information

- 11.1 Acute toxicity Oral LD50 for rats: > 5'000 mg/kg  
The VivaStyle gel is irritant. Avoid contact with skin, mucosal tissues and eyes.  
Risk of serious damage to eyes.
- 11.2 Subacute / Chronic toxicity Carbamide peroxide  
- Cytotoxicity: slightly positive (MTT Assay)  
- Mutagenicity: slightly positive (Ames Test)
- 11.3 Further information None.

## 12 Ecological information

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

## 13 Disposal considerations

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

## 14 Transport information

- 14.1 Transport at land
- |                      |     |               |     |
|----------------------|-----|---------------|-----|
| ADR                  | --- | RID           | --- |
| UN Number            | --- | Kemler Number |     |
| Packing Group        | --- |               |     |
| Proper shipping name | --- |               |     |
- 14.2 Transport at sea
- |                      |     |      |     |
|----------------------|-----|------|-----|
| ADNR                 | --- | IMDG | --- |
| UN Number            | --- |      |     |
| EMS                  | --- | MFAG | --- |
| 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.

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## 15 Regulatory information

The product is a medical device according to the EC-directive 93/42/EEC.

This product requires classification according to the criteria of the "Gefahrstoffverordnung".

15.1 National regulations

15.2 NFPA Storage

15.3 Further information None.

## 16 Other information

No other 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.*

This safety data sheet has been generated with the safety database 'ChemManager',  
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91/155/EEC