

## **SAFETY DATA SHEETS**

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

077144256

**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).**

077144215 077144223 077144231 077144249 077144280 077144298 077144306 077144314 077144363 077144371

# Material Safety Data Sheet

OptraFine HP Polishing Paste



Date of issue / Reference

01.10.2007 lise / Version 2

Replaces version of

03.11.2006 casa

Date of printing

01.10.2007 **Sheet No. 1672**

Page 1 of 5

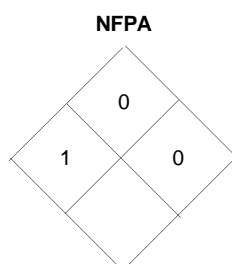
Company

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

## 1 Commercial product name and supplier

1.1 Commercial product name /  
Designation

**OptraFine HP Polishing Paste**



HMIS	
H	1
F	0
R	0
C	

1.2 Application / Use

Polishing paste

1.3 Producer

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

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

Paste of diamond powder, glycerine, propylene glycol and sodium-lauryl sulphate

2.2 Hazardous components

None.

2.3 Further information

None.

## 3 Hazards identification

Direct contact may cause eye irritation.

## 4 First aid measures

4.1 Eye contact

Flush with plenty of water.

4.2 Skin contact

No specific requirements.

4.3 Ingestion

No hazards anticipated from swallowing small amounts incidentally

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to normal handling.

- 4.4 Inhalation No specific requirements.
- 4.5 Further information None.

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## 5 Fire-fighting measures

- 5.1 Suitable extinguishing media Not required.
- 5.2 Extinguishing media to avoid None known
- 5.3 Flash point
- 5.4 Ignition temperature
- 5.5 Explosion limits Lower:  
Upper:  
not applicable
- 5.6 Further information None.

Test method:

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## 6 Accidental release measures

Clean up mechanically.

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## 7 Handling and storage

- 7.1 Handling Only adequately trained personnel should handle this product.
- 7.2 Industrial hygiene Usual hygienic measures are necessary.
- 7.3 Storage Store at 2-28 °C / 36-82 °F
- 7.4 Place of storage Avoid exposure to direct sunlight.
- 7.5 Fire- and explosion-protection Not required.

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## 8 Exposure controls / Personal protection

- 8.1 Technical measures No specific requirements.
- 8.2 Control of threshold limits None established.
- 8.3 Personal protective equipment
- 8.3.1 Respiratory protection No specific requirements.
- 8.3.2 Hand protection Not required.
- 8.3.3 Eye protection Safety goggles
- 8.3.4 Other None.
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## 9 Physical and chemical properties

- |      |                          |                       |              |
|------|--------------------------|-----------------------|--------------|
| 9.1  | Appearance               | Paste                 |              |
| 9.2  | Colour                   | grey                  |              |
| 9.3  | Odour                    | practically odourless |              |
| 9.4  | Change of physical state |                       | Test method: |
|      | Solidification point     |                       |              |
| 9.5  | Density                  |                       |              |
|      |                          | not determined        |              |
| 9.6  | Vapour pressure          |                       |              |
|      |                          | not applicable        |              |
| 9.7  | Viscosity                |                       |              |
|      |                          | not determined        |              |
| 9.8  | Solubility               |                       |              |
|      |                          | not determined        |              |
| 9.9  | pH                       |                       |              |
|      |                          | not determined        |              |
| 9.10 | Further information      |                       |              |

## 10 Stability and reactivity

- |      |                                  |                                 |
|------|----------------------------------|---------------------------------|
| 10.1 | Thermal decomposition            | Carbon dioxide, carbon monoxide |
| 10.2 | Hazardous decomposition products | None.                           |
| 10.3 | Hazardous reactions              | None.                           |
| 10.4 | Further information              | None.                           |

## 11 Toxicological information

- |      |                             |            |
|------|-----------------------------|------------|
| 11.1 | Acute toxicity              | None.      |
| 11.2 | Subacute / Chronic toxicity | none known |

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11.3 Further information None.

**12 Ecological information** No specific ecological effects.

**13 Disposal considerations** Take to an approved landfill or 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 ADNRR 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.

**15 Regulatory information** This product is classified as a medical device under US and Canadian regulations and has been reviewed by the US Food and Drug Administration and Health Canada.  
The product is a medical device according to the EC-directive 93/42/EEC.

15.1 National regulations

15.2 NFPA Storage

15.3 Further information None.

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## 16 Other information

Changes: 1.5  
Version: 2

*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',  
© ASSiST Applied Software Solutions in Science and Technology AG, Weiherweg 3, CH-4104 Oberwil, Switzerland

91/155/EEC

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/20/2015

Version number 3

Reviewed on 04/29/2015

## 1 Identification

- **Product identifier**
- **Trade name:** ***OptraFine HP Polishing Paste***
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Polishing agent/ Burnishing compound
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Ivoclar Vivadent Inc.  
175 Pineview Drive, Amherst, N.Y. 14228  
USA  
Tel. +1 800 533 6825  
Fax +1 716 691 2285  
  
Ivoclar Vivadent Inc.  
1-6600 Dixie Road  
Mississauga, Ontario  
L5T 2Y2  
Canada  
Phone: +1 905 670 8499  
Fax: +1 905 670 3102
- **Information department:** Quality Assurance / Regulatory Affairs
- **Emergency telephone number:**  
24 Hour Emergency Assistance:  
Emergency-Call USA - Infotrac: 1-800-535-5053  
Emergency-Call Canada - Canutec: 1-613-996-6666  
  
General SDS Assistance:  
US: 1-800-533-6825  
Canada: 1-800-263-8182

## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

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US

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 05/20/2015

Version number 3

Reviewed on 04/29/2015

Trade name: **OptraFine HP Polishing Paste**

(Contd. of page 1)

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

#### · **Dangerous components:**

56-81-5	glycerol	10-<25%
57-55-6	propane-1,2-diol	10-<25%

### 4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Rinse out mouth and then drink plenty of water.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Only adequately trained personnel should handle this product.

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# Safety Data Sheet

## acc. to OSHA HCS

Printing date 05/20/2015

Version number 3

Reviewed on 04/29/2015

Trade name: **OptraFine HP Polishing Paste**

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*For use in dentistry only.*

- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· <b>Components with limit values that require monitoring at the workplace:</b>	
<b>56-81-5 glycerol</b>	
PEL	Long-term value: 15* 5** mg/m <sup>3</sup> mist; *total dust **respirable fraction
TLV	TLV withdrawn-insufficient data human occup. exp.
<b>57-55-6 propane-1,2-diol</b>	
WEEL	Long-term value: 10 mg/m <sup>3</sup>

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Usual hygienic measures for dental practice.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

- **Breathing equipment:** Not required.

- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

After use of gloves apply skin-cleaning agents and skin cosmetics.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Safety glasses

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:

Pasty

Color:

Light grey

- **Odor:**

Weak, characteristic

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Trade name: **OptraFine HP Polishing Paste**

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· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not applicable.
· <b>Change in condition</b> <b>Melting point/Melting range:</b> <b>Boiling point/Boiling range:</b>	Undetermined. Undetermined.
· <b>Flash point:</b>	Not applicable.
· <b>Flammability (solid, gaseous):</b>	Not determined.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b> <b>Lower:</b> <b>Upper:</b>	Not determined. Not determined.
· <b>Vapor pressure:</b>	Not applicable.
· <b>Density:</b> · <b>Relative density</b> · <b>Vapour density</b>	Not determined. Not determined. Not applicable.
· <b>Solubility in / Miscibility with</b> <b>Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b> <b>Dynamic:</b> <b>Kinematic:</b> · <b>Other information</b>	Not applicable. Not applicable. No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal handling and storage conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** None under normal conditions of storage and use.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:** No further relevant information available.

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US

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 05/20/2015

Version number 3

Reviewed on 04/29/2015

Trade name: **OptraFine HP Polishing Paste**

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· **Carcinogenic categories**· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

### 12 Ecological information

· **Toxicity**· **Aquatic toxicity:** No further relevant information available.· **Persistence and degradability** No further relevant information available.· **Behavior in environmental systems:**· **Bioaccumulative potential** No further relevant information available.· **Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

· **Waste treatment methods**· **Recommendation:**

Smaller quantities can be disposed of with household waste.

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

· **Uncleaned packagings:**· **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

· **UN-Number**· **DOT, ADR, ADN, IMDG, IATA** Void· **UN proper shipping name**· **DOT, ADN, IMDG, IATA** Void· **ADR** Void· **Transport hazard class(es)**· **DOT, ADR, ADN, IMDG, IATA**· **Class** Void· **Packing group**· **DOT, ADR, IMDG, IATA** Void· **Environmental hazards:**· **Marine pollutant:** No

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# Safety Data Sheet

## acc. to OSHA HCS

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**Trade name: OptraFine HP Polishing Paste**

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- |  |  |
|--|--|
| <b>· Special precautions for user</b>  | Not applicable.  |
| <b>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.  |
| <b>· Transport/Additional information:</b>                                       | Product is not classified as a dangerous good for transport (ADR, IMDG, IATA). |
| <b>· UN "Model Regulation":</b>  | -  |

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **National regulations:**

· **Other regulations, limitations and prohibitive regulations**

The product is a medical device according to the Directive 93/42/EEC.

This product is classified as a medical device under US and Canadian regulations and has been reviewed by the US Food and Drug Administration and Health Canada.

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**Safety Data Sheet**  
**acc. to OSHA HCS**

Printing date 05/20/2015

Version number 3

Reviewed on 04/29/2015

**Trade name: OptraFine HP Polishing Paste**· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**16 Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Date of preparation / last revision** 05/20/2015 / 2· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

· **\* Data compared to the previous version altered.**

US