

Safety Data Sheet

according to WHS Regulations

Printing date 14.09.2023

Revision: 14.09.2023

1 Identification

- **Product identifier**
- **Trade name:** *Opalescence™ Quick PF 45%*
- **Article number:** *SDS 89-001.11R01, 15073*
- **Relevant identified uses of the substance or mixture and uses advised against**
Professional Dental Teeth Whitening Gel
- **Application of the substance / the mixture** *Professional Dental Teeth Whitening Gel*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
*Ultradent Products, Inc.
505 W. Ultradent Drive (10200 S)
South Jordan, UT 84095-3942
USA
onlineordersupport@ultradent.com*
-
- Ultradent Australia Pty Ltd.
Level 22/2 Market Street
Sydney NSW 2000
Australia
Email: info.anz@ultradent.com
Toll Free: 1-800-290929*
- **Further information obtainable from:** *Customer Service*
- **Emergency telephone number:**
*CHEMTREC (NORTH AMERICA) : (800) 424-9300
(INTERNATIONAL) : +(703) 527-3887*

2 Hazard(s) Identification

- **Classification of the substance or mixture**

*Skin Irrit. 2**H315 Causes skin irritation.**Serious eye damage/irritation – Category 2A H319 Causes serious eye irritation.*

- **Label elements**
- **GHS label elements** *Void*
- **Hazard pictograms** *GHS07*
- **Signal word** *Warning*
- **Hazard-determining components of labelling:**
*Carbamide Peroxide
Hydrogen Peroxide
Sodium Hydroxide*
- **Hazard statements**
*H315 Causes skin irritation.
H319 Causes serious eye irritation.*
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Printing date 14.09.2023

Revision: 14.09.2023

Trade name: Opalescence™ Quick PF 45%

(Contd. of page 1)

- P102 Keep out of reach of children.
 P103 Read label before use.
 P264 Wash thoroughly after handling.
 P280 Wear eye protection / face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P337+P313 If eye irritation persists: Get medical advice/attention.

3 Composition and Information on Ingredients

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

· Dangerous components:

56-81-5	Glycerin	>10-≤25%
	⚠ Serious eye damage/irritation – Category 2A, H319	
124-43-6	Carbamide Peroxide	>10-≤25%
	⚠ Ox. Sol. 3, H272; ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318	
7722-84-1	Hydrogen Peroxide	≥8-<10%
	⚠ Ox. Liq. 1, H271; ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332	
1310-73-2	Sodium Hydroxide	≥3-<5%
	⚠ Acute Tox. 3, H301; ⚠ Skin Corr. 1A, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H312	
7757-79-1	Potassium Nitrate	≥1-<10%
	⚠ Ox. Sol. 2, H272; ⚠ Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319; STOT SE 3, H335-H336	
7681-49-4	Sodium Fluoride	≥1-<10%
	⚠ Acute Tox. 3, H301; Acute Tox. 2, H310; ⚠ Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319	
8006-90-4	Oils, Peppermint	≥0.1-<1%
	⚠ Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319; Skin Sens. 1, H317; Flam. Liq. 4, H227	

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**
 This product is a viscous gel, therefore chance of inhalation is extremely low.
 In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
 If skin irritation continues, consult a doctor.
 Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If swallowed in large quantities seek medical attention.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Printing date 14.09.2023

Revision: 14.09.2023

Trade name: Opalescence™ Quick PF 45%

(Contd. of page 2)

- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire Fighting Measures

- **Suitable extinguishing agents:**
Water spray
Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Protective equipment:** Wear self-contained respiratory protective device.

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:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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:** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
See product labelling.
Keep container tightly sealed.
- **Specific end use(s)** Professional Dental Teeth Whitening Gel

8 Exposure controls and personal protection

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

- **Ingredients with limit values that require monitoring at the workplace:**

56-81-5 Glycerin

TWA Short-term value: 10 mg/m³WES Long-term value: 10 mg/m³
inhalable dust

7722-84-1 Hydrogen Peroxide

WES Long-term value: 1.4 mg/m³, 1 ppm

1310-73-2 Sodium Hydroxide

WES Peak limitation: 2 mg/m³

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

(Contd. on page 4)

Safety Data Sheet

according to WHS Regulations

Printing date 14.09.2023

Revision: 14.09.2023

Trade name: **Opalescence™ Quick PF 45%**

(Contd. of page 3)

- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of 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 breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

9 Physical and Chemical Properties

- **General Information**

- **Appearance:**

- | | |
|---|---|
| <ul style="list-style-type: none"> · Form: · Colour: · Odour: · Odour threshold: · pH-value at 20 °C: | <ul style="list-style-type: none"> Gel Colourless Mint Not determined. 5.6-7.2 |
|---|---|

- **Change in condition**

- | | |
|--|---|
| <ul style="list-style-type: none"> · Melting point/freezing point: · Initial boiling point and boiling range: · Flash point: · Flammability (solid, gas): · Decomposition temperature: · Auto-ignition temperature: · Explosive properties: · Explosion limits: · Lower: · Upper: · Vapour pressure: | <ul style="list-style-type: none"> Undetermined. Undetermined. Not applicable. Not applicable. Not determined. Product is not selfigniting. Product does not present an explosion hazard. Not determined. Not determined. Not determined. |
|--|---|

(Contd. on page 5)

Safety Data Sheet

according to WHS Regulations

Printing date 14.09.2023

Revision: 14.09.2023

Trade name: Opalescence™ Quick PF 45%

(Contd. of page 4)

· Density at 20 °C:	1.27 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· water:	Partly soluble.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
· Dynamic:	Not determined.
· Kinematic:	Not determined.
· Other information	No further relevant information available.

10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **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:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	1,569-2,051 mg/kg
Dermal	LD50	11,602 mg/kg
Inhalative	LC50/4 h	120 mg/l

56-81-5 Glycerin

Oral	LD50	7,750 mg/kg (Guinea pig) 4,100 mg/kg (mouse) 5,570 mg/kg (rat) 27,000 mg/kg (rabbit)
	LC50 Fish	>5,000 mg/l (Fish)
Dermal	LD50	>21,900 mg/kg (rat) 10,000 mg/kg (rabbit)

124-43-6 Carbamide Peroxide

Oral	LD50	>2,000 mg/kg (rat)
------	------	--------------------

7722-84-1 Hydrogen Peroxide

Oral	LC50 Fish	16.4 mg/l (Fish)
------	-----------	------------------

1310-73-2 Sodium Hydroxide

Oral	LD50	130-340 mg/kg (rat)
	LC50 Fish	160 mg/l (Fish)

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations

Printing date 14.09.2023

Revision: 14.09.2023

Trade name: **Opalescence™ Quick PF 45%**

(Contd. of page 5)

Dermal	LD50	1,350 mg/kg (rabbit)
	Absolute lethal concentration	180 ppm (Fish)
7757-79-1 Potassium Nitrate		
Oral	LD50	3,015 mg/kg (rat)
		1,901 mg/kg (rabbit)
	LC50 Fish	1,378 mg/l (Fish)
Dermal	LD50	>5,000 mg/kg (rat)
	LC50(Daphnia magna)	490 mg/l (daphnia)
7681-49-4 Sodium Fluoride		
Oral	LD50	52 mg/kg (mouse)
	LC50 Fish (static)	17 mg/l (Fish)
Dermal	LD50	175 mg/kg (rat)
8006-90-4 Oils, Peppermint		
Oral	LD50	2,490 mg/kg (mouse)
		2,426 mg/kg (rat)

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

12 Ecological Information

· Toxicity

· Aquatic toxicity:

56-81-5 Glycerin

EC50	>10,000 mg/kg (Bacteria)
------	--------------------------

7722-84-1 Hydrogen Peroxide

EC50	1.38 mg/l (Algae)
	2.4 mg/l (daphnia)

1310-73-2 Sodium Hydroxide

EC50	40.38 mg/kg (Water Flea)
------	--------------------------

7681-49-4 Sodium Fluoride

EC50	272 mg/kg (Algae)
	98 mg/kg (daphnia)
Algae Toxicity (static)	7 mg/l (Algae)

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

(Contd. on page 7)

AU

Safety Data Sheet

according to WHS Regulations

Printing date 14.09.2023

Revision: 14.09.2023

Trade name: Opalescence™ Quick PF 45%

(Contd. of page 6)

- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **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**
Dispose of contents/container in accordance with international, federal, state, and local regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number	
· ADG, ADN, IMDG, IATA	not regulated
· UN proper shipping name	
· ADG, ADN, IMDG, IATA	not regulated
· Transport hazard class(es)	
· ADG, ADN, IMDG, IATA	
· Class	not regulated
· Packing group	
· ADG, IMDG, IATA	not regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Not Applicable
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	not regulated

15 Regulatory information

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

· Australian Inventory of Industrial Chemicals		
All ingredients are listed.		
· Standard for the Uniform Scheduling of Medicines and Poisons		
124-43-6	Carbamide Peroxide	S5, S6, S10
7722-84-1	Hydrogen Peroxide	S5, S6, S10

(Contd. on page 8)

Safety Data Sheet

according to WHS Regulations

Printing date 14.09.2023

Revision: 14.09.2023

Trade name: **Opalescence™ Quick PF 45%**

(Contd. of page 7)

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Chemical safety assessment:**

Device is biocompatible when used as directed by dental professionals per ISO 10993-1

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.

· **Relevant phrases from Section 3**

H227 Combustible liquid.

H271 May cause fire or explosion; strong oxidizer.

H272 May intensify fire; oxidizer.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H310 Fatal in contact with skin.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

· **Department issuing SDS:** Environmental, Health, and Safety

· **Contact:** Customer Service

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ELINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 4: Flammable liquids – Category 4

Ox. Liq. 1: Oxidizing liquids – Category 1

Ox. Sol. 2: Oxidizing solids – Category 2

Ox. Sol. 3: Oxidizing solids – Category 3

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

(Contd. on page 9)

Safety Data Sheet
according to WHS Regulations

Printing date 14.09.2023

Revision: 14.09.2023

Trade name: Opalescence™ Quick PF 45%

Asp. Tox. 1: Aspiration hazard – Category 1

(Contd. of page 8)

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

AU