

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/03/2019

Reviewed on 08/28/2018

1 Identification

- **Product identifier**
- **Trade name:** *Opalescence™ Trèswhite™ Supreme, Opalescence Go™ (Mint or Melon PF 10-15% HP)*
- **Article number:** 71048, 15053, 15054
- **Index number:** SDS 372-001.04
- **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*
- **Information department:** *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**



GHS05 Corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements**
Cosmetics are exempt from the labeling requirements of the Globally Harmonized System (GHS).
- **Hazard pictograms** *GHS05, GHS07*
- **Signal word** *Danger*
- **Hazard-determining components of labeling:**
*Hydrogen Peroxide
Carbamide Peroxide
Artificial Watermelon
Sodium Hydroxide
Oils, Peppermint*
- **Hazard statements**
*Harmful if swallowed.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.*
- **Precautionary statements**
Do not breathe dusts or mists.

(Contd. on page 2)

Safety Data Sheet

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Reviewed on 08/28/2018

Trade name: Opalescence™ Trèwhite™ Supreme, Opalescence Go™ (Mint or Melon PF 10-15% HP)

(Contd. of page 1)

Wash thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Contaminated work clothing must not be allowed out of the workplace.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If swallowed: Call a poison center/doctor if you feel unwell.
 If swallowed: Rinse mouth. Do NOT induce vomiting.
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing.
 Immediately call a poison center/doctor.
 Specific treatment (see on this label).
 If skin irritation or rash occurs: Get medical advice/attention.
 Wash contaminated clothing before reuse.
 Store locked up.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



· **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	Glycerine	<60%
7722-84-1	Hydrogen Peroxide	≤15%
9003-01-4	Polyacrylic Acid	<20%
124-43-6	Carbamide Peroxide	<20%
1310-73-2	Sodium Hydroxide	<5%
7757-79-1	Potassium Nitrate	<5%
9003-39-8	Polyvinylpyrrolidone	<20%
	Artificial Watermelon	<5%
8006-90-4	Oils, Peppermint	<1%
7681-49-4	Sodium Fluoride	0.25%

(Contd. on page 3)

Safety Data Sheet

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Trade name: Opalescence™ Trèswhite™ Supreme, Opalescence Go™ (Mint or Melon PF 10-15% HP)

(Contd. of page 2)

4 First-aid measures

- **Description of first aid measures**

- **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

This product is a viscous gel, therefore chance of inhalation is extremely low.

Seek medical treatment in case of complaints.

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:**

If swallowed in large quantities seek medical attention.

If symptoms persist consult doctor.

- **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:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire fighting measures that suit the environment.

- **Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

- **Advice for firefighters**

- **Protective equipment:**

Wear fully protective suit.

Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

- **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).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

- **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.

- **Protective Action Criteria for Chemicals**

- **PAC-1:**

56-81-5	Glycerine	45 mg/m ³
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(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/03/2019

Reviewed on 08/28/2018

Trade name: Opalescence™ Trèswhite™ Supreme, Opalescence Go™ (Mint or Melon PF 10-15% HP)

(Contd. of page 3)

7722-84-1	Hydrogen Peroxide	10 ppm
124-43-6	Carbamide Peroxide	1.2 mg/m ³
7757-79-1	Potassium Nitrate	9 mg/m ³
9003-39-8	Polyvinylpyrrolidone	51 mg/m ³
7681-49-4	Sodium Fluoride	17 mg/m ³

· PAC-2:

56-81-5	Glycerine	180 mg/m ³
7722-84-1	Hydrogen Peroxide	50 ppm
124-43-6	Carbamide Peroxide	13 mg/m ³
7757-79-1	Potassium Nitrate	100 mg/m ³
9003-39-8	Polyvinylpyrrolidone	560 mg/m ³
112945-52-5	Silicon Dioxide Chemically Prepared	100 mg/m ³
7681-49-4	Sodium Fluoride	90 mg/m ³

· PAC-3:

56-81-5	Glycerine	1,100 mg/m ³
7722-84-1	Hydrogen Peroxide	100 ppm
124-43-6	Carbamide Peroxide	79 mg/m ³
7757-79-1	Potassium Nitrate	600 mg/m ³
9003-39-8	Polyvinylpyrrolidone	20,000 mg/m ³
112945-52-5	Silicon Dioxide Chemically Prepared	630 mg/m ³
7681-49-4	Sodium Fluoride	1,100 mg/m ³

7 Handling and storage

· Handling:

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· Information about protection against explosions and fires: Keep respiratory protective device available.

· Conditions for safe storage, including any incompatibilities

· 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 receptacle tightly sealed.

· Specific end use(s) Professional Dental Teeth Whitening Gel

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

· Control parameters

· Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

(Contd. on page 5)

Safety Data Sheet

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Reviewed on 08/28/2018

Trade name: Opalescence™ Trèwhite™ Supreme, Opalescence Go™ (Mint or Melon PF 10-15% HP)

(Contd. of page 4)

At this time, the other constituents have no known exposure limits.

56-81-5 Glycerine

PEL	Long-term value: 15* 5** mg/m ³ mist; *total dust **respirable fraction
TLV	TLV withdrawn-insufficient data human occup. exp.
TWA	Short-term value: 15 mg/m ³

7722-84-1 Hydrogen Peroxide

PEL	Long-term value: 1.4 mg/m ³ , 1 ppm
REL	Long-term value: 1.4 mg/m ³ , 1 ppm
TLV	Long-term value: 1.4 mg/m ³ , 1 ppm

9003-01-4 Polyacrylic Acid

TWA	Short-term value: 0.05 mg/m ³
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1310-73-2 Sodium Hydroxide

PEL	Long-term value: 2 mg/m ³
REL	Ceiling limit value: 2 mg/m ³
TLV	Ceiling limit value: 2 mg/m ³

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

· **Exposure controls**

· **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.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **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 is based 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.

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/03/2019

Reviewed on 08/28/2018

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(Contd. of page 5)

· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· Form:	Gel
· Color:	Whitish
· Odor:	Product specific
· Odor threshold:	Not determined.

· **pH-value at 20 °C:** 5.2-7.4· **Change in condition**

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	Undetermined

· **Flash point:** Not applicable· **Flammability (solid, gaseous):** Not applicable.· **Decomposition temperature:** Not determined.· **Auto igniting:** Product is not selfigniting.· **Danger of explosion:** Product does not present an explosion hazard.· **Explosion limits:**

· Lower:	Not determined.
· Upper:	Not determined.

· **Vapor pressure:** Not determined.

· Density:	Not determined
· Relative density	Not determined
· Vapor density	Not determined.
· Evaporation rate	Not determined.

· **Solubility in / Miscibility with**· **Water:** Fully miscible.· **Partition coefficient (n-octanol/water):** Not determined.· **Viscosity:**

· Dynamic:	Not determined.
· Kinematic:	Not determined

· **Solvent content:**

· Organic solvents:	<70 %
· Water:	<50 %
· VOC content:	0.00 %
	0.0 g/l / 0.00 lb/gal

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/03/2019

Reviewed on 08/28/2018

Trade name: Opalescence™ Trèswhite™ Supreme, Opalescence Go™ (Mint or Melon PF 10-15% HP)

(Contd. of page 6)

- | | |
|--------------------------|--|
| Solids content: | <50.0 % |
| Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity Stable**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Excess heat
- **Incompatible materials:** Strong caustics, most metals
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

ATE (Acute Toxicity Estimate)

Oral	LD50	>1,372-1,856 mg/kg
Dermal	LD50	33,750 mg/kg (rabbit)
Inhalative	LC50/4 h	>0.405 mg/l

56-81-5 Glycerine

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)
Inhalative	LC50/4 h	>0.1425 mg/l (rat)

7722-84-1 Hydrogen Peroxide

Oral	LC50 Fish	16.4 mg/l (Fish)
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9003-01-4 Polyacrylic Acid

Oral	LC50 Fish	580 mg/l (Fish)
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124-43-6 Carbamide Peroxide

Oral	LD50	>2,000 mg/kg (rat)
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1310-73-2 Sodium Hydroxide

Oral	LD50	130-340 mg/kg (rat)
	LC50 Fish	160 mg/l (Fish)
Dermal	LD50	1,350 mg/kg (rabbit)
	Absolute lethal concentration	180 ppm (Fish)

(Contd. on page 8)

Safety Data Sheet

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Printing date 10/03/2019

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(Contd. of page 7)

7757-79-1 Potassium Nitrate		
Oral	LD50	3,015 mg/kg (rat) 1,901 mg/kg (rabbit)
Dermal	LC50 Fish	1,378 mg/l (Fish)
	LD50	>5,000 mg/kg (rat)
	LC50(Daphnia magna)	490 mg/l (daphnia)
9003-39-8 Polyvinylpyrrolidone		
Oral	LD50	>2,000 mg/kg (rat)
Inhalative	LC50 Fish	>10,000 mg/l (Fish)
	LC50/4 h	>5.2 mg/l (rat)
8006-90-4 Oils, Peppermint		
Oral	LD50	2,490 mg/kg (mouse)
		2,426 mg/kg (rat)

· **Primary irritant effect:**

· **on the skin:** Strong caustic effect on skin and mucous membranes.

· **on the eye:**

Strong caustic effect.

Strong irritant with the danger of severe eye injury.

· **Sensitization:** Sensitization possible through skin contact.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

· **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
7722-84-1	Hydrogen Peroxide	3
9003-01-4	Polyacrylic Acid	3
9003-39-8	Polyvinylpyrrolidone	3
7681-49-4	Sodium Fluoride	3

· **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:**

56-81-5 Glycerine	
EC50	>10,000 mg/l (Bacteria)
	>10,000 mg/l (daphnia)

(Contd. on page 9)

Safety Data Sheet

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Trade name: Opalescence™ Trèswhite™ Supreme, Opalescence Go™ (Mint or Melon PF 10-15% HP)

(Contd. of page 8)

7722-84-1 Hydrogen Peroxide

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

9003-01-4 Polyacrylic Acid

EC50 174 mg/kg (daphnia)

1310-73-2 Sodium Hydroxide

EC50 40.38 mg/l (Water Flea)

9003-39-8 Polyvinylpyrrolidone

EC50 >1,000 mg/l (Algae)

- **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 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
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:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, ADN, IMDG, IATA** *not regulated*
- **UN proper shipping name**
- **DOT, ADN, IMDG, IATA** *not regulated*
- **Transport hazard class(es)**
- **DOT, ADN, IMDG, IATA**
- **Class** *not regulated*
- **Packing group**
- **DOT, IMDG, IATA** *not regulated*
- **Environmental hazards:** *Not applicable.*

(Contd. on page 10)

US

Safety Data Sheet

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Printing date 10/03/2019

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Trade name: Opalescence™ Trèshwhite™ Supreme, Opalescence Go™ (Mint or Melon PF 10-15% HP)

(Contd. of page 9)

· **Special precautions for user** Not applicable.

· **Transport in bulk according to Annex II of MARPOL73/78 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**

· **Sara**

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

7722-84-1	Hydrogen Peroxide
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· **Section 313 (Specific toxic chemical listings):**

7757-79-1	Potassium Nitrate
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· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

None of the ingredients is 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)**

7722-84-1	Hydrogen Peroxide	
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A3

7681-49-4	Sodium Fluoride	
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A4

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

None of the ingredients is listed.

· **GHS label elements**

Cosmetics are exempt from the labeling requirements of the Globally Harmonized System (GHS).

· **Hazard pictograms** GHS05, GHS07

· **Signal word** Danger

· **Hazard-determining components of labeling:**

Hydrogen Peroxide
Carbamide Peroxide
Artificial Watermelon
Sodium Hydroxide

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/03/2019

Reviewed on 08/28/2018

Trade name: Opalescence™ Trèwhite™ Supreme, Opalescence Go™ (Mint or Melon PF 10-15% HP)

(Contd. of page 10)

Oils, Peppermint

· **Hazard statements**

Harmful if swallowed.

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

· **Precautionary statements**

Do not breathe dusts or mists.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Call a poison center/doctor if you feel unwell.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a poison center/doctor.

Specific treatment (see on this label).

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A chemical safety assessment has not been carried out.

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.

· **Department issuing SDS:** Regulatory Affairs

· **Contact:** Customer Service

· **Date of preparation / last revision** 10/03/2019 / -

· **Abbreviations and acronyms:**

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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Acute Tox. 4: Acute toxicity – Category 4

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

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

Skin Sens. 1: Skin sensitisation – Category 1