

Safety data sheet according to UK REACH

Printing date 31.03.2025

Version number 1

Revision: 31.03.2025

1 Identification of the substance/mixture and of the company/undertaking

· **Product identifier**

· **Trade name:** Opalescence™ PF 10-20% Bleaching Gel (Regular - Mint - Melon)

· **Article number:**

SDS 14-001.19R01, 13509, 13565, 14543, 15279, 13514, 13503, 13503-BR, 15281, 13518, 13566, 15280, 39005, 15284, 39001, 39013, 39015, 39019, 39016, 39025, 15285, 39020, 39020-BR, 39029, 15288, 39021, 39021-BR, 5420-US, 71178, 31314, 71179, 31312, 71180, 31313, 39002, 39009, 15287

· **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

EC Responsible Person
Ultradent Products GmbH
Am Westhover Berg 30
51149 Cologne Germany
Email: infoDE@ultradent.com
Office Phone: +49(0)2203-35-92-0

· **Further information obtainable from:** Customer Service

· **Emergency telephone number:**

CHEMTREC (NORTH AMERICA) : +1 (800) 424-9300
(INTERNATIONAL) : +(703) 527-3887

2 Hazards identification

· **Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

· **Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** GHS07

· **Signal word** Warning

· **Hazard statements**

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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· Precautionary statements

- P101 *If medical advice is needed, have product container or label at hand.*
 P102 *Keep out of reach of children.*
 P103 *Read carefully and follow all instructions.*
 P261 *Avoid breathing dust/fume/gas/mist/vapours/spray.*
 P280 *Wear protective gloves / eye protection / face protection.*
 P304+P340 *IF INHALED: Remove person to fresh air and keep comfortable for breathing.*
 P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
 P312 *Call a POISON CENTER/doctor if you feel unwell.*
 P321 *Specific treatment (see on this label).*

3 Composition/information on ingredients

· Mixtures

· **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

| | | |
|-------------------------------------|---|----------|
| CAS: 56-81-5 EINECS: 200-289-5 | Glycerin substance with a Community workplace exposure limit | ≥0-<40% |
| CAS: 124-43-6 EINECS: 204-701-4 | Carbamide Peroxide ⚠ Ox. Sol. 3, H272; ⚠ Skin Corr. 1B, H314 | ≥5-≤25% |
| CAS: 1310-73-2 EINECS: 215-185-5 | Sodium Hydroxide ⚠ Skin Corr. 1A, H314 | ≥1-<5% |
| | Artificial Watermelon ⚠ Flam. Liq. 3, H226 | ≥0-≤10% |
| CAS: 8006-90-4 EINECS: 282-015-4 | Oils, Peppermint ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 | <1% |
| CAS: 7681-49-4 EINECS: 231-667-8 | Sodium Fluoride ⚠ Acute Tox. 3, H301; Acute Tox. 2, H310; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319, EUH032 | ≥0.1-<1% |

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

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.

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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.

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- **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 Firefighting measures

- **Extinguishing media**
- **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.
- **Advice for firefighters:**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Dilute with plenty of water.
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).
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.

7 Handling and storage

- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **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 container tightly sealed.
- **Specific end use(s)** Professional Dental Teeth Whitening Gel

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8 Exposure controls/personal protection

- **Control parameters**

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

56-81-5 Glycerin

WEL Long-term value: 10 mg/m³

1310-73-2 Sodium Hydroxide

WEL Short-term value: 2 mg/m³

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

- **Exposure controls**

- **Appropriate engineering controls** No further data; see section 7.

- **Individual protection measures, such as 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:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Hand protection**



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/face protection**



Tightly sealed goggles

- **Body protection:** Protective work clothing

9 Physical and chemical properties

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

- **General Information**

- **Physical state**

Fluid

- **Colour:**

Colourless

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| | |
|--|--|
| · Odour: | <i>Product specific</i> |
| · Odour threshold: | <i>Not determined.</i> |
| · Melting point/freezing point: | <i>Undetermined.</i> |
| · Boiling point or initial boiling point and boiling range | <i>Undetermined.</i> |
| · Flammability | <i>Not applicable.</i> |
| · Lower and upper explosion limit | |
| · Lower: | <i>Not determined.</i> |
| · Upper: | <i>Not determined.</i> |
| · Flash point: | <i>Not applicable.</i> |
| · Decomposition temperature: | <i>Not determined.</i> |
| · pH at 20 °C | <i>5.3-7.5</i> |
| · Viscosity: | |
| · Kinematic viscosity | <i>Not determined.</i> |
| · Dynamic: | <i>Not determined.</i> |
| · Solubility | |
| · water: | <i>Partly soluble.</i> |
| · Partition coefficient n-octanol/water (log value) | <i>Not determined.</i> |
| · Vapour pressure: | <i>Not determined.</i> |
| · Density and/or relative density | |
| · Density: | <i>Not determined.</i> |
| · Relative density | <i>Not determined.</i> |
| · Vapour density | <i>Not determined.</i> |
| · Other information | |
| · Appearance: | |
| · Form: | <i>Gel</i> |
| · Important information on protection of health and environment, and on safety. | |
| · Ignition temperature: | <i>Product is not selfigniting.</i> |
| · Explosive properties: | <i>Product does not present an explosion hazard.</i> |
| · Change in condition | |
| · Evaporation rate | <i>Not determined.</i> |
| · Information with regard to physical hazard classes | |
| · Explosives | <i>Void</i> |
| · Flammable gases | <i>Void</i> |
| · Aerosols | <i>Void</i> |
| · Oxidising gases | <i>Void</i> |
| · Gases under pressure | <i>Void</i> |
| · Flammable liquids | <i>Void</i> |
| · Flammable solids | <i>Void</i> |
| · Self-reactive substances and mixtures | <i>Void</i> |
| · Pyrophoric liquids | <i>Void</i> |
| · Pyrophoric solids | <i>Void</i> |
| · Self-heating substances and mixtures | <i>Void</i> |
| · Substances and mixtures, which emit flammable gases in contact with water | <i>Void</i> |
| · Oxidising liquids | <i>Void</i> |
| · Oxidising solids | <i>Void</i> |
| · Organic peroxides | <i>Void</i> |
| · Corrosive to metals | <i>Void</i> |
| · Desensitised explosives | <i>Void</i> |

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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 Alkalis
 - Metals
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity Harmful if inhaled.**

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

ATE (Acute Toxicity Estimates)

| | | |
|--------|------|--------------|
| Oral | LD50 | 20,800 mg/kg |
| Dermal | LD50 | 70,000 mg/kg |

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) |
|------|------|--------------------|

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) |

8006-90-4 Oils, Peppermint

| | | |
|------|------|--|
| Oral | LD50 | 2,490 mg/kg (mouse) 2,426 mg/kg (rat) |
|------|------|--|

7681-49-4 Sodium Fluoride

| | | |
|--------|--------------------|------------------|
| Oral | LD50 | 52 mg/kg (mouse) |
| | LC50 Fish (static) | 17 mg/l (Fish) |
| Dermal | LD50 | 175 mg/kg (rat) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.

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· **Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

56-81-5 Glycerin

EC50 >10,000 mg/kg (Bacteria)

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.

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

· **Other adverse effects**

· **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.

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.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

· **UN number or ID number**

· **ADR, IMDG, IATA** not regulated

· **UN proper shipping name**

· **ADR, ADN, IMDG, IATA** not regulated

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| | |
|--|-----------------|
| · Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | not regulated |
| · Packing group | |
| · ADR, IMDG, IATA | not regulated |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not Applicable |
| · Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | not regulated |

15 Regulatory information

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

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

None of the ingredients is listed.

· **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

| | | |
|-----------|-------------------|--------|
| 7757-79-1 | Potassium Nitrate | Listed |
|-----------|-------------------|--------|

· **Reportable poisons**

| | | |
|-----------|------------------|---------------------------------|
| 1310-73-2 | Sodium Hydroxide | 12% of total caustic alkalinity |
| 7681-49-4 | Sodium Fluoride | Listed |

· **Directive 2012/18/EU**

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

· **Chemical safety assessment:**

The 10-16% products meet the toxicological profile required for cosmetics per the EU cosmetic regulation, Regulation (EC) No. 1223/2009.

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**

H226 Flammable liquid and vapour.
H272 May intensify fire; oxidiser.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H310 Fatal in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.

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H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H411 Toxic to aquatic life with long lasting effects.
 EUH032 Contact with acids liberates very toxic gas.

· **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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

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

ATE: Acute toxicity estimate values

Flam. Liq. 3: Flammable liquids – Category 3

Ox. Sol. 3: Oxidizing solids – Category 3

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 2: Acute toxicity – Category 2

Acute Tox. 4: Acute toxicity – Category 4

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 Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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



Safety data sheet according to UK REACH

Printing date 28.03.2025

Version number 1

Revision: 28.03.2025

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** Opalescence™ Whitening Toothpaste
- **Article number:**
SDS 12-001.13R01, 1008310, 11577, 4860-EU, 402-EU, 5760, 5166, REF401, 6042, 402-AU, 401-P3, 402, 401, 401-AU, 401-EU, 11622, 13268-EU, 11622-AU
- **Relevant identified uses of the substance or mixture and uses advised against** *Toothpaste*
- **Application of the substance / the mixture** *Toothpaste*
- **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*
- **EC Responsible Person**
*Ultradent Products GmbH
Am Westhover Berg 30
51149 Cologne Germany
Email: infoDE@ultradent.com
Office Phone: +49(0)2203-35-92-0*
- **Further information obtainable from:** *Customer Service*
- **Emergency telephone number:**
*CHEMTREC (NORTH AMERICA) : +1 (800) 424-9300
(INTERNATIONAL) : +(703) 527-3887*

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



*Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.*

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** *Void*
- **Hazard pictograms** *GHS07*
- **Signal word** *Warning*
- **Hazard-determining components of labelling:**
*methyl salicylate
Oils, Peppermint*
- **Hazard statements**
*H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.*
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.

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P102 Keep out of reach of children.
 P103 Read carefully and follow all instructions.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves / 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.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

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

- **Dangerous components:**

| | | |
|-------------------------------------|---|----------|
| CAS: 56-81-5 EINECS: 200-289-5 | Glycerin substance with a Community workplace exposure limit | >20-<40% |
| CAS: 119-36-8 EINECS: 204-317-7 | methyl salicylate ⚠ Repr. 2, H361d; ⚠ Acute Tox. 4, H302; Skin Sens. 1B, H317 ATE: LD50 oral: 890 mg/kg | >1-<5% |
| CAS: 151-21-3 EINECS: 205-788-1 | Sodium Lauryl Sulfate ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412 | ≥1-<3% |
| CAS: 8006-90-4 EINECS: 282-015-4 | Oils, Peppermint ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 | <1% |
| CAS: 7681-49-4 EINECS: 231-667-8 | Sodium Fluoride ⚠ Acute Tox. 3, H301; Acute Tox. 2, H310; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319, EUH032 | <1% |

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

4 First aid measures

- **Description of 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.
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Rinse with water and soap.
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.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
 - Dry Chemical
 - Water spray
 - Water mist
 - Water fog
 - Foam, dry chemical, carbon dioxide
- Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters:**
- **Protective equipment:** Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **Environmental precautions:**
 - Dilute with plenty of water.
 - 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 section 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.

7 Handling and storage

- **Precautions for safe handling:**
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **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 container tightly sealed.
- **Specific end use(s)** Toothpaste

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8 Exposure controls/personal protection

- **Control parameters**

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

| |
|-------------------------|
| 56-81-5 Glycerin |
|-------------------------|

| | |
|-----|---------------------------------------|
| WEL | Long-term value: 10 mg/m ³ |
|-----|---------------------------------------|

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

- **Exposure controls**

- **Appropriate engineering controls** No further data; see section 7.

- **Individual protection measures, such as 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.

- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Hand protection**



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/face protection**



Tightly sealed goggles

- **Body protection:** Protective work clothing

9 Physical and chemical properties

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

- **General Information**

- **Physical state**

Fluid

- **Colour:**

According to product specification

- **Odour:**

Characteristic

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| | |
|---|-------------------------|
| · Odour threshold: | Not determined. |
| · Melting point/freezing point: | Undetermined. |
| · Boiling point or initial boiling point and boiling range | Undetermined. |
| · Flammability | Not applicable. |
| · Lower and upper explosion limit | |
| · Lower: | Not determined. |
| · Upper: | Not determined. |
| · Flash point: | 177 °C |
| · Decomposition temperature: | Not determined. |
| · pH at 20 °C | 6.3-7.6 |
| · Viscosity: | |
| · Kinematic viscosity | Not determined. |
| · Dynamic: | Not determined. |
| · Solubility | |
| · water: | Partly soluble. |
| · Partition coefficient n-octanol/water (log value) | Not determined. |
| · Vapour pressure: | Not determined. |
| · Density and/or relative density | |
| · Density at 20 °C: | 1.214 g/cm ³ |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |

| | |
|--|---|
| · Other information | |
| · Appearance: | |
| · Form: | Fluid |
| · Important information on protection of health and environment, and on safety. | |
| · Ignition temperature: | Product is not selfigniting. |
| · Explosive properties: | Product does not present an explosion hazard. |
| · Change in condition | |
| · Evaporation rate | Not determined. |

| | |
|--|------|
| · Information with regard to physical hazard classes | |
| · Explosives | Void |
| · Flammable gases | Void |
| · Aerosols | Void |
| · Oxidising gases | Void |
| · Gases under pressure | Void |
| · Flammable liquids | Void |
| · Flammable solids | Void |
| · Self-reactive substances and mixtures | Void |
| · Pyrophoric liquids | Void |
| · Pyrophoric solids | Void |
| · Self-heating substances and mixtures | Void |
| · Substances and mixtures, which emit flammable gases in contact with water | Void |
| · Oxidising liquids | Void |
| · Oxidising solids | Void |
| · Organic peroxides | Void |
| · Corrosive to metals | Void |
| · Desensitised explosives | Void |

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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:**
 - Light
 - Ignition sources
 - Heat
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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

ATE (Acute Toxicity Estimates)

| | | |
|--------|------|--------------|
| Oral | LD50 | 12,795 mg/kg |
| Dermal | LD50 | 70,000 mg/kg |

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) |

119-36-8 methyl salicylate

| | | |
|--------|-----------|--|
| Oral | LD50 | 890 mg/kg (ATE) 887 mg/kg (rat) 2,800 mg/kg (rabbit) |
| | LC50 Fish | 19.8 mg/l (Fish) |
| Dermal | LD50 | >5,000 mg/kg (rabbit) |

151-21-3 Sodium Lauryl Sulfate

| | | |
|------|------------------------------|-------------------------|
| Oral | LD50 | 1,288 mg/kg (rat) |
| | LC50 Fish | 14.67-15.51 mg/l (Fish) |
| | LC50(Daphnia magna) (static) | 1.8 mg/l (daphnia) |

8006-90-4 Oils, Peppermint

| | | |
|------|------|--|
| Oral | LD50 | 2,490 mg/kg (mouse) 2,426 mg/kg (rat) |
|------|------|--|

7681-49-4 Sodium Fluoride

| | | |
|------|--------------------|------------------|
| Oral | LD50 | 52 mg/kg (mouse) |
| | LC50 Fish (static) | 17 mg/l (Fish) |

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| | | |
|--------|------|-----------------|
| Dermal | LD50 | 175 mg/kg (rat) |
|--------|------|-----------------|

- **Primary irritant effect:**
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

56-81-5 Glycerin

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

119-36-8 methyl salicylate

| | |
|------|--------------------|
| EC50 | 28 mg/kg (daphnia) |
|------|--------------------|

| | |
|---------------|------------------|
| Aqua toxicity | 1.6 mg/l (Algae) |
|---------------|------------------|

151-21-3 Sodium Lauryl Sulfate

| | |
|---------------|---------------------------|
| EC50 (static) | 16.5 mg/kg (Crustacean) |
| | 50.6-52.3 mg/kg (daphnia) |

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.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (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.

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.

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· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

| | |
|--|-----------------|
| · UN number or ID number · ADR, IMDG, IATA | not regulated |
| · UN proper shipping name · ADR, ADN, IMDG, IATA | not regulated |
| · Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | not regulated |
| · Packing group · ADR, IMDG, IATA | not regulated |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not Applicable |
| · Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | not regulated |

15 Regulatory information

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

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

None of the ingredients is listed.

· **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

| | | |
|-----------|------------------|---------------------------------|
| 7681-49-4 | Sodium Fluoride | Listed |
| 1310-73-2 | Sodium Hydroxide | 12% of total caustic alkalinity |

· **Directive 2012/18/EU**

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

· **Chemical safety assessment:**

The product meets the toxicological profile required for cosmetics per the EU cosmetic regulation, Regulation (EC) No. 1223/2009.

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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.

· **Relevant phrases from Section 3**

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H310 Fatal in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H361d Suspected of damaging the unborn child.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- EUH032 Contact with acids liberates very toxic gas.

· **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
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- 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)
- 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
- ATE: Acute toxicity estimate values
- Acute Tox. 3: Acute toxicity – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Acute Tox. 2: Acute toxicity – Category 2
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1: Skin sensitisation – Category 1
- Skin Sens. 1B: Skin sensitisation – Category 1B
- Repr. 2: Reproductive toxicity – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

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1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** Ultradent™ LC Block-Out Resin
- **Article number:** SDS 30-001.14R01, 10318, 10252, 240, 240-JP, 241, 241-JP, 242, 242-1
- **Relevant identified uses of the substance or mixture and uses advised against** Dental laboratory resin
- **Application of the substance / the mixture** Dental Laboratory Resin
- **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
(800) 552-5512
-
- **EC Responsible Person**
Ultradent Products GmbH
Am Westhoyer Berg 30
51149 Cologne Germany
Email: infoDE@ultradent.com
Office Phone: +49(0)2203-35-92-0
- **Further information obtainable from:** Customer Service
- **Emergency telephone number:**
CHEMTREC (NORTH AMERICA) : +1 (800) 424-9300
(INTERNATIONAL) : +(703) 527-3887

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



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

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms** GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:**
Diurethane Dimethacrylate
Triethylene Glycol Dimethacrylate
Trade Secret
- **Hazard statements**
H317 May cause an allergic skin reaction.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

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- P103 Read carefully and follow all instructions.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P321 Specific treatment (see on this label).
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

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

- **Dangerous components:**

| | | |
|--------------------------------------|---|----------|
| CAS: 72869-86-4 EINECS: 276-957-5 | Diurethane Dimethacrylate ⚠ Skin Sens. 1, H317; Aquatic Chronic 3, H412 | >60-<80% |
| CAS: 109-16-0 EINECS: 203-652-6 | Triethylene Glycol Dimethacrylate ⚠ Skin Sens. 1, H317 | >10-<30% |
| | Trade Secret ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 | <1% |

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

4 First aid measures

- **Description of 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.
 Seek medical treatment in case of complaints.
 Supply fresh air and to be sure call for a doctor.
 In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**
 Rinse out mouth and then drink plenty of water.
 Seek medical treatment.
- **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 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
 Water spray
 Foam
 Fire-extinguishing powder
 Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture**
 Carbon monoxide (CO)

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Nitrogen oxides (NO_x)

During fire, gases hazardous to health may be formed.

- **Advice for firefighters:**
- **Protective equipment:** Wear fully protective suit.

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).
Dispose contaminated material as waste according to section 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.

7 Handling and storage

- **Precautions for safe handling:**
Keep receptacles tightly sealed.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** 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:**
Store away from oxidising agents.
Store away from foodstuffs.
- **Further information about storage conditions:** See product labelling.
- **Specific end use(s)** Dental Laboratory Resin

8 Exposure controls/personal protection

- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
Do not eat or drink while working.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

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· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Hand protection**



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/face protection** Goggles recommended during refilling

· **Body protection:** Protective work clothing

9 Physical and chemical properties

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

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Blue

· **Odour:**

Methacrylate

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

<25 °C

· **Boiling point or initial boiling point and boiling range**

>100 °C

· **Flammability**

Not applicable.

· **Lower and upper explosion limit**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

Not applicable.

· **Decomposition temperature:**

260 °C (TGA trace)

· **pH**

Not applicable (non-aqueous)

· **Viscosity:**

· **Kinematic viscosity**

Not determined.

· **Dynamic:**

Not determined.

· **Solubility**

· **water:**

Not miscible or difficult to mix.

· **Partition coefficient n-octanol/water (log value)**

Not determined.

· **Vapour pressure:**

Not determined.

· **Density and/or relative density**

· **Density at 20 °C:**

1.1-1.2 g/cm³

· **Relative density**

Not determined.

· **Vapour density**

Not determined.

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Trade name: **Ultradent™ LC Block-Out Resin**

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- **Other information**
 - **Appearance:**
 - **Form:** Medium Viscosity
 - **Important information on protection of health and environment, and on safety.**
 - **Ignition temperature:** Product is not selfigniting.
 - **Explosive properties:** Product does not present an explosion hazard.
 - **Change in condition**
 - **Evaporation rate** Not determined.
-
- **Information with regard to physical hazard classes**
 - **Explosives** Void
 - **Flammable gases** Void
 - **Aerosols** Void
 - **Oxidising gases** Void
 - **Gases under pressure** Void
 - **Flammable liquids** Void
 - **Flammable solids** Void
 - **Self-reactive substances and mixtures** Void
 - **Pyrophoric liquids** Void
 - **Pyrophoric solids** Void
 - **Self-heating substances and mixtures** Void
 - **Substances and mixtures, which emit flammable gases in contact with water** Void
 - **Oxidising liquids** Void
 - **Oxidising solids** Void
 - **Organic peroxides** Void
 - **Corrosive to metals** Void
 - **Desensitised explosives** Void

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **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:**
Light
UV light
- **Incompatible materials:** Strong oxidizing agents
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

72869-86-4 Diurethane Dimethacrylate

| | | |
|------|------|--------------------|
| Oral | LD50 | >5,000 mg/kg (rat) |
|------|------|--------------------|

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109-16-0 Triethylene Glycol Dimethacrylate

| | | |
|--------|-----------|-------------------------------------|
| Oral | LD50 | >5,000 mg/kg (rat) |
| | LC50 Fish | 16.4 mg/l (Fish) (Toxicity to fish) |
| Dermal | LD50 | >2,000 mg/kg (mouse) |

Trade Secret

| | | |
|------------|-----------|----------------------|
| Oral | LD50 | 1,550 mg/kg (rat) |
| | LC50 Fish | 19 mg/l (Fish) |
| Dermal | LD50 | 2,000 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 96 mg/l (rat) |

- **Respiratory or skin sensitisation** May cause an allergic skin reaction.

- **Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

72869-86-4 Diurethane Dimethacrylate

| | |
|------------------|--|
| EC50 | >0.6 mg/kg (Algae) |
| Biodegradability | 28 days (Aerobic) (Biodegradability testing) |

109-16-0 Triethylene Glycol Dimethacrylate

| | |
|------------------|--|
| EC50 | >100 mg/kg (Algae) |
| Biodegradability | 28 days (Aerobic) (Biodegradability testing) |
| Aqua toxicity | 32 mg/l (daphnia) (No Observed Effect Concentration) |

Trade Secret

| | |
|------|------------------|
| EC50 | 42 mg/kg (Algae) |
|------|------------------|

- **Persistence and degradability** No further relevant information available.

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

- **Other adverse effects**

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (German Regulation) (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.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation**

Dispose of contents/container in accordance with international, federal, state, and local regulations.

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Trade name: Ultradent™ LC Block-Out Resin

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|-----------------|
| · UN number or ID number · ADR, IMDG, IATA | not regulated |
| · UN proper shipping name · ADR, IMDG, IATA | not regulated |
| · Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | not regulated |
| · Packing group · ADR, IMDG, IATA | not regulated |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not Applicable |
| · Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | not regulated |

15 Regulatory information

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

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

None of the ingredients is listed.

- **Poisons Act**

- **Regulated explosives precursors**

None of the ingredients is listed.

- **Regulated poisons**

None of the ingredients is listed.

- **Reportable explosives precursors**

None of the ingredients is listed.

- **Reportable poisons**

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

GB

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Safety data sheet according to UK REACH

Printing date 28.07.2025

Version number 1

Revision: 28.07.2025

Trade name: Ultradent™ LC Block-Out Resin

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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.

· **Relevant phrases from Section 3**

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

· **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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

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

ATE: Acute toxicity estimate values

Acute Tox. 4: Acute toxicity – Category 4

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

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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