



# Safety Data Sheet acc. to OSHA HCS

Printing date 02/07/2025

Reviewed on 02/07/2025

## 1 Identification

- **Product identifier**
- **Trade name:** *Peak™ SE Primer (Part 1 of 2)*
- **Article number:** *SDS 69-001.12R01, 15076, 35016*
- **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**



*GHS02 Flame*

*Flammable Liquids 3      H226 Flammable liquid and vapor.*



*GHS08 Health hazard*

*Toxic to Reproduction 1B   H360 May damage fertility or the unborn child.*



*GHS05 Corrosion*

*Skin Corrosion 1A      H314 Causes severe skin burns and eye damage.  
Eye Damage 1      H318 Causes serious eye damage.*



*GHS07*

*Sensitization - Skin 1      H317 May cause an allergic skin reaction.*

- **Label elements**
- **GHS label elements** *Void*
- **Hazard pictograms** *GHS02, GHS05, GHS07, GHS08*
- **Signal word** *Danger*
- **Health Hazard-determining components of labeling:**  
*Poly(ethylene glycol) Diacrylate  
Trade Secret  
Ethyl-4-Dimethylamino Benzoate*

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2-Hydroxyethyl Methacrylate

Irgacure 819

**· Hazard statements**

H226 Flammable liquid and vapor.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H360 May damage fertility or the unborn child.

**· Precautionary statements**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe dusts or mists.

P264 Wash thoroughly after handling.

P272 Contaminated work clothing must not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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.

P310 Immediately call a poison center/doctor.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P321 Specific treatment (see on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P370+P378 In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Classification system:**
**· NFPA ratings (scale 0 - 4)**


Health = 3

Fire = 3

Reactivity = 0

**· HMIS-ratings (scale 0 - 4)**


Health = \*3

Fire = 3

Reactivity = 0

### 3 Composition/information on ingredients

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

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| · <b>Dangerous components:</b> |                                  |           |
|--------------------------------|----------------------------------|-----------|
| 64-17-5                        | Ethyl Alcohol                    | ≥0-<40%   |
| 868-77-9                       | 2-Hydroxyethyl Methacrylate      | >10-≤25%  |
| 26570-48-9                     | Poly(ethylene glycol) Diacrylate | >10-≤25%  |
|                                | Trade Secret                     | ≥5-≤10%   |
|                                | Trade Secret                     | ≥5-≤10%   |
| 10287-53-3                     | Ethyl-4-Dimethylamino Benzoate   | ≥0.1-<25% |
|                                | Irgacure 819                     | ≥0.1-<1%  |

· **Additional information:**

The specific chemical identity of composition is being withheld as a trade secret. The specific chemical identity is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of paragraph §1910.1200.

## 4 First-aid measures

· **Description of first aid measures**

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:**

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:**

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. Then consult a doctor.

· **After swallowing:**

Do NOT induce vomiting.

Rinse mouth with water.

Drink copious amounts of water and provide fresh air. Immediately call a 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:**

Carbon dioxide

Dry Chemical

Foam

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

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

· **Advice for firefighters**

General: Evacuate all personnel; use protective equipment for fire-fighting. Use self-contained breathing apparatus when the product is involved in fire.

· **Protective equipment:**

Wear fully protective suit.

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Mouth respiratory protective device.

## 6 Accidental release measures

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

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

- **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).

Use neutralizing agent.

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

- **Handling:**

- **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

- **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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:** Keep receptacle tightly sealed.

· **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

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

- **Control parameters**

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

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

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

### 64-17-5 Ethyl Alcohol

PEL Long-term value: 1900 mg/m<sup>3</sup>, 1000 ppm

REL Long-term value: 1900 mg/m<sup>3</sup>, 1000 ppm

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|      |  |
|------|--|
| STEL | Short-term value: 1000 mg/m <sup>3</sup> |
| TLV  | Short-term value: 1000 ppm<br>A3         |
| TWA  | Short-term value: 1900 mg/m <sup>3</sup> |

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

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

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.

· **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: Liquid

Color: Yellow

· **Odor:** Methacrylate

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|   |  |
|---|--|
| · <b>Odor threshold:</b>  | Not determined.  |
| · <b>pH-value at 20 °C:</b>   | 0.9-1.5  |
| · <b>Change in condition</b><br><b>Melting point/Melting range:</b> | Undetermined.  |
| <b>Boiling point/Boiling range:</b>                                 | Undetermined   |
| · <b>Flash point:</b>   | <27 °C   |
| · <b>Flammability:</b>  | Flammable.   |
| · <b>Decomposition temperature:</b>                                 | Not determined.  |
| · <b>Ignition temperature:</b>                                      | Product is not selfigniting.   |
| · <b>Danger of explosion:</b>                                       | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| · <b>Explosion limits:</b><br><b>Lower:</b>                         | Not determined.  |
| <b>Upper:</b>   | Not determined.  |
| · <b>Vapor pressure at 20 °C:</b>                                   | 552 hPa  |
| · <b>Density at 20 °C:</b>  | 1.015 g/cm <sup>3</sup>  |
| · <b>Relative density</b>   | Not determined   |
| · <b>Vapor density</b>  | Not determined.  |
| · <b>Evaporation rate</b>   | Not determined.  |
| · <b>Solubility in / Miscibility with</b><br><b>Water:</b>          | Fully miscible.  |
| · <b>Partition coefficient (n-octanol/water):</b>                   | Not determined.  |
| · <b>Viscosity:</b><br><b>Dynamic:</b>                              | Not determined.  |
| <b>Kinematic:</b>   | Not determined   |
| · <b>Other information</b>  | No further relevant information available.   |

## 10 Stability and reactivity

- **Reactivity** Polymerization occurs when exposed to visible light, ultraviolet light or extreme heat.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Stable under recommended storage conditions
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid**  
  Direct Light  
  Heat  
  Flames  
  Void  
  Not applicable
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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## 11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

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

### 64-17-5 Ethyl Alcohol

|            |           |  |
|------------|-----------|--|
| Oral       | LD50      | 5,600 mg/kg (guinea pig)<br>3,400 mg/kg (mouse)<br>7,060 mg/kg (rat) |
|            | LC50 Fish | >10,000 mg/l (Fish)  |
| Inhalative | LC50/4 h  | 39 mg/l (mouse)<br>20,000 mg/l (rat)                                 |

### 868-77-9 2-Hydroxyethyl Methacrylate

|        |                     |   |
|--------|---------------------|---|
| Oral   | LD50                | 3,275 mg/kg (mouse)<br>>5,000 mg/kg (rat) |
|        | LC50 Fish           | >100 mg/l (Fish)                          |
| Dermal | LD50                | >3,000 mg/kg (rabbit)                     |
|        | LC50(Daphnia magna) | 24.1 mg/l (daphnia)                       |

### Irgacure 819

|        |           |                                      |
|--------|-----------|--------------------------------------|
| Oral   | LD50      | >2,000 mg/kg (rat)                   |
|        | LC50 Fish | >0.09 mg/l (Fish) (Toxicity to fish) |
| Dermal | LD50      | >2,000 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:

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)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

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## 12 Ecological information

- **Toxicity**

|   |  |
|---|--|
| · <b>Aquatic toxicity:</b>                  |  |
| <b>64-17-5 Ethyl Alcohol</b>                |  |
| Algae Toxicity                              | 1,000 mg/l (Algae)   |
| <b>868-77-9 2-Hydroxyethyl Methacrylate</b> |  |
| EC50  | 345 mg/kg (Algae)  |
| <b>Irgacure 819</b>                         |  |
| EC50 (static)                               | >1.175 mg/kg (daphnia) (Toxicity to aquatic invertebrates) |
| Aqua toxicity                               | ≥0.008 mg/l (daphnia) (Daphnia Magna Reproduction Test)    |
| Toxicity to Aquatic Plants (static)         | >0.26 mg/l (Plant) (Toxicity to 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 1 (Self-assessment): slightly hazardous for water

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

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

- **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 packagings:**

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

- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

|                                  |  |
|----------------------------------|--|
| · <b>UN-Number</b>               |  |
| · <b>DOT, IMDG, IATA</b>         | UN2920   |
| · <b>UN proper shipping name</b> |  |
| · <b>DOT</b>                     | Corrosive liquids, flammable, n.o.s. (Phosphorus pentoxide, Ethyl Alcohol) |
| · <b>IMDG, IATA</b>              | CORROSIVE LIQUID, FLAMMABLE, N.O.S. (PHOSPHORUS PENTOXIDE, Ethyl Alcohol)  |

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· **Transport hazard class(es)**· **DOT**

· **Class** 8 Corrosive substances  
 · **Label** 8, 3

· **IMDG**

· **Class** 8 Corrosive substances  
 · **Label** 8/3

· **IATA**

· **Class** 8 Corrosive substances  
 · **Label** 8 (3)

· **Packing group**· **DOT, IMDG, IATA** II· **Environmental hazards:** Not Applicable.· **Special precautions for user** Warning: Corrosive substances· **Hazard identification number (Kemler code):** 83· **EMS Number:** F-E,S-C· **Segregation groups** (SGG1) Acids· **Stowage Category** C· **Stowage Code** SW1 Protected from sources of heat.

SW2 Clear of living quarters.

· **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not Applicable.

· **Transport/Additional information:**· **DOT**

· **Quantity limitations** On passenger aircraft/rail: 1 L  
 On cargo aircraft only: 30 L

· **IMDG**· **Limited quantities (LQ)** 1L· **Excepted quantities (EQ)** Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

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· **UN "Model Regulation":** UN 2920 CORROSIVE LIQUIDS, FLAMMABLE, N.O.S. (PHOSPHORUS PENTOXIDE, ETHYL ALCOHOL), 8 (3), II

## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.

· **Sara**

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

Trade Secret

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

None of the ingredients is listed.

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

|            |                                  |        |
|------------|----------------------------------|--------|
| 64-17-5    | Ethyl Alcohol                    | ACTIVE |
| 868-77-9   | 2-Hydroxyethyl Methacrylate      | ACTIVE |
| 26570-48-9 | Poly(ethylene glycol) Diacrylate | ACTIVE |
|            | Trade Secret                     | ACTIVE |
| 10287-53-3 | Ethyl-4-Dimethylamino Benzoate   | ACTIVE |
|            | Irgacure 819                     | 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:**

64-17-5 Ethyl Alcohol

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **ACGIH Carcinogenicity (American Conference of Governmental Industrial Hygienists)**

64-17-5 Ethyl Alcohol A3

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

None of the ingredients is listed.

· **Chemical safety assessment:**

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

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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.*

- **Department issuing SDS:** Environmental, Health, and Safety
- **Contact:** Customer Service
- **Date of preparation / last revision** 02/07/2025 / -
- **Abbreviations and acronyms:**
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - 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)
  - 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
  - Flammable Liquids 3: Flammable liquids – Category 3
  - Skin Corrosion 1A: Skin corrosion/irritation – Category 1A
  - Eye Damage 1: Serious eye damage/eye irritation – Category 1
  - Sensitization - Skin 1: Skin sensitisation – Category 1
  - Toxic to Reproduction 1B: Reproductive toxicity – Category 1B
- **\* Data compared to the previous version altered.**

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