MAXLINER®

**Safety Data Sheet**
**MaxLight EA**

**Revision Date:**
**20 July, 2026**

## Section 1. Identification

**Product identifier**

**Product Identity** MaxLight EA

**Other means of identification** UV LED SINGLE-COMPONENT RESIN

**Relevant identified uses of the substance or mixture and uses advised against**

UV-curable resin system for cured-in-place pipe (CIPP) lining and trenchless pipe rehabilitation.

**Details of the supplier of the safety data sheet**

**Company Name**

MaxLiner
7606 Whitehall Executive Center Dr. Suite 400
Charlotte, NC 28273

**Emergency**

**24 hour Emergency Telephone No.**

24-Hour Emergency Contact: (Infotrac) 1-800-535-5053
Local Emergency Contact: 1-800-535-5053

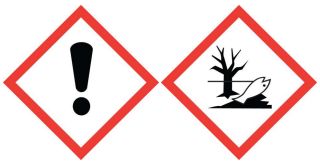
**Customer Service:** 877-426-5948

## Section 2. Hazard(s) identification

**Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)**

| | |
|---|---|
| Skin corrosion/irritation category 2;H315 | Causes skin irritation. |
| Serious eye damage / eye irritation, category 2A;H319 | Causes serious eye irritation. |
| Skin sensitizer category 1;H317 | May cause an allergic skin reaction. |
| Specific target organ toxicity, Single exposure category 3;H335 | May cause respiratory irritation. |
| Aquatic toxicity (acute), category 2;H401 | Toxic to aquatic life. |
| Aquatic toxicity (chronic), category 2;H411 | Toxic to aquatic life with long lasting effects. |

**Label elements**



**Warning**

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.

**[Prevention]**
P233 Keep container tightly closed.
P261 Avoid breathing dust, fume, gas, mist, vapors, spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves, eye protection, and face protection.
**[Response]**
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338 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 or physician if you feel unwell.
P333+313 If skin irritation or a rash occurs: Get medical advice or attention.
P337+313 If eye irritation persists: Get medical advice or attention.
P362+364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
**[Storage]**
P403+233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.
**[Disposal]**
P501 Dispose of contents or container in accordance with local and national regulations.
**Other hazards**
This product contains no PBT/vPvB/vPvM chemicals.
This product contains no endocrine disrupting chemicals.
Does NOT contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per the US EPA PFASMASTER combined list of PFAS chemicals.

## Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|---|---|---|
| **4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid<br>CAS Number: 55818-57-0<br>Synonyms: Bisphenol A epoxy diacrylate, Epoxy Acrylate** | **45 - 70** | **Skin sensitizer category 1;H317<br>Aquatic toxicity (chronic), category 2;H411** | **No data available** |
| **TRIPROPYLENE GLYCOL DIACRILATE<br>CAS Number: 42978-66-5<br>Synonyms: No available information** | **10 - 30** | **Serious eye damage / eye irritation, category 2;H319<br>Specific target organ toxicity, Single exposure category 3;H335 > 10%<br>Skin corrosion/irritation category 2;H315<br>Skin sensitizer category 1;H317<br>Aquatic toxicity (chronic), category 2;H411** | **No data available** |
| **1,6-Hexanediol diacrylate<br>CAS Number: 13048-33-4<br>Synonyms: hexane-1,6-diol diacrylate** | **7 - 13** | **Skin corrosion/irritation category 2;H315<br>Serious eye damage / eye irritation, category 2;H319<br>Skin sensitizer category 1;H317** | **No data available** |
| **Phenyl bis(2,4,6-Dimethylbenzoyl) Phosphine Oxide<br>CAS Number: 162881-26-7<br>Synonyms: phosphine oxide, phenylbis (2,4,6- trimethylbenzoyl** | **0.1 - 1** | **Skin sensitizer category 1;H317<br>Aquatic toxicity (chronic), category 4;H413** | **No data available** |

The actual concentration or concentration range is withheld as a trade secret.
*PBT/vPvB - PBT, vPvM or vPvB-substance.
The full texts of the phrases are shown in Section 16.

## Section 4. First aid measures

**Description of first aid measures**

| | |
|---|---|
| **General** | In all cases of doubt, or when symptoms persist, seek medical attention.<br>Never give anything by mouth to an unconscious person. |
| **Inhalation** | Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth. |
| **Eyes** | Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention. |
| **Skin** | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. |
| **Ingestion** | If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. |

**Most important symptoms and effects, both acute and delayed**

| | |
|---|---|
| **Overview** | No specific symptom data available.<br>No chronic toxicity or long term toxicity information available. Treat symptomatically. See section 2 for further details. |
| **Inhalation** | May cause respiratory irritation. |
| **Eyes** | Causes serious eye irritation. |
| **Skin** | May cause an allergic skin reaction. Causes skin irritation. |

## Section 5. Fire-fighting measures

**Extinguishing media**

Recommended extinguishing media; alcohol resistant foam, $CO_2$, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

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

Hazardous decomposition: No hazardous decomposition data available.

Keep container tightly closed.

Avoid breathing dust, fume, gas, mist, vapors, spray.

**Advice for fire-fighters**

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

**ERG Guide No.** 171

## Section 6. Accidental release measures

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

Put on appropriate personal protective equipment (see section 8).

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

**Environmental precautions**

Do not allow spills to enter drains or waterways.

**Methods and material for containment and cleaning up**

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

## Section 7. Handling and storage

**Precautions for safe handling**

Handle containers carefully to prevent damage and spillage.

See section 2 for further details. - [Prevention]

**Conditions for safe storage, including any incompatibilities**

Incompatible materials: No available information

See section 2 for further details. - [Storage]

**Specific end use(s)**

UV-curable resin system for cured-in-place pipe (CIPP) lining and trenchless pipe rehabilitation.

## Section 8. Exposure controls / personal protection

**Control parameters**

**Exposure Limits**

| CAS No. | Ingredient | Source | Value |
|---|---|---|---|
| 13048-33-4 | 1,6-Hexanediol diacrylate | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| 42978-66-5 | TRIPROPYLENE GLYCOL DIACRILATE | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| 55818-57-0 | 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| 162881-26-7 | Phenyl bis(2,4,6-Dimethylbenzoyl) Phosphine Oxide | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |

**Exposure controls**

**Respiratory** If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

**Eyes** Protective safety glasses recommended

**Skin** Avoid skin contact. Protective gloves recommended.

**Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

## Section 9. Physical and chemical properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical State** | Liquid |
| **Color** | No available information |
| **Odor** | No available information |
| **Odor threshold** | No available information |
| **Melting point / freezing point** | No available information |
| **Initial boiling point and boiling range** | No available information |
| **Flammability (solid, gas)** | Not Applicable |
| **Upper/lower flammability or explosive limits** | Lower Explosive Limit: No available information<br>Upper Explosive Limit: No available information |
| **Flash Point** | No available information |
| **Auto-ignition temperature** | No available information |
| **Decomposition temperature** | No available information |
| **pH** | No available information |
| **Kinematic viscosity** | No available information |
| **Solubility in Water** | No available information |
| **Partition coefficient n-octanol/water (Log Kow)** | No available information |
| **Vapor pressure (Pa)** | No available information |
| **Relative Density** | No available information |
| **Vapor Density** | No available information |
| **Evaporation rate (Ether = 1)** | No available information |
| **Oxidising properties** | No available information |
| **Explosive properties** | No available information |

**Other information**

No other relevant information.

## Section 10. Stability and reactivity

**Reactivity**

Hazardous Polymerization will not occur.

**Chemical stability**

Stable under normal circumstances.

**Possibility of hazardous reactions**

No available information

**Conditions to avoid**

Avoid high temperatures and contact with incompatible material

**Incompatible materials**

No available information

**Hazardous decomposition products**

No hazardous decomposition data available.

## Section 11. Toxicological information

### Acute toxicity

ATE (Oral) Not Applicable. % of the mixture consists of an ingredient of unknown toxicity to this route of entry.
ATE (dermal) Not Applicable. 0.0 % of the mixture consists of an ingredient of unknown toxicity to this route of entry.
ATE (Inhalation) Maxliner-121 . 0.0 % of the mixture consists of an ingredient of unknown toxicity to this route of entry.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|---|---|---|---|---|---|
| 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid - (55818-57-0) | No data available. | No data available. | No data available. | No data available. | No data available. |
| TRIPROPYLENE GLYCOL DIACRILATE - (42978-66-5) | > 5,000.00, Rat - Category: NA | 3,650.00, Rabbit - Category: 5 | No data available. | No data available. | No data available. |
| 1,6-Hexanediol diacrylate - (13048-33-4) | > 5,000.00, Rat - Category: NA | No data available. | No data available. | No data available. | No data available. |
| Phenyl bis(2,4,6-Dimethylbenzoyl) Phosphine Oxide - (162881-26-7) | > 2,000.00, Rat - Category: NA | > 2,000.00, Rat - Category: NA | No data available. | No data available. | No data available. |

### Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|---|---|---|---|
| 13048-33-4 | 1,6-Hexanediol diacrylate | OSHA | Regulated Carcinogen: No; |
| | | NTP | Known: No; Suspected: No; |
| | | IARC | No |
| | | ACGIH | No Established Limit |
| 42978-66-5 | TRIPROPYLENE GLYCOL DIACRILATE | OSHA | Regulated Carcinogen: No; |
| | | NTP | Known: No; Suspected: No; |
| | | IARC | No |
| | | ACGIH | No Established Limit |
| 55818-57-0 | 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid | OSHA | Regulated Carcinogen: No; |
| | | NTP | Known: No; Suspected: No; |
| | | IARC | No |
| | | ACGIH | No Established Limit |
| 162881-26-7 | Phenyl bis(2,4,6-Dimethylbenzoyl) Phosphine Oxide | OSHA | Regulated Carcinogen: No; |
| | | NTP | Known: No; Suspected: No; |
| | | IARC | No |
| | | ACGIH | No Established Limit |

| Classification | Category | Hazard Description |
|---|---|---|
| Acute toxicity (oral) | --- | Not Applicable |
| Acute toxicity (dermal) | --- | Not Applicable |
| Acute toxicity (inhalation) | --- | Not Applicable |
| Skin corrosion/irritation | 2 | Causes skin irritation. |
| Serious eye damage/irritation | 2A | Causes serious eye irritation. |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | 1 | May cause an allergic skin reaction. |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |

| | | |
|---|---|---|
| Reproductive toxicity | --- | Not Applicable |
| STOT-single exposure | --- | Not Applicable |
| STOT-single exposure (3) | 3 | May cause respiratory irritation. |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |

**Possible routes of entry:**
Inhalation, ingestion, skin contact, and skin absorption.
**Symptoms and effects, both acute and delayed:**
No specific symptom data available.
No chronic toxicity or long term toxicity information available. Treat symptomatically.
**Inhalation** May cause respiratory irritation.
**Eyes** Causes serious eye irritation.
**Skin** May cause an allergic skin reaction. Causes skin irritation.

## Section 12. Ecological information

**Toxicity**
Toxic to aquatic life with long lasting effects.
**Aquatic Ecotoxicity**

| Ingredient | 96 hr LC50 fish, mg/L | 48 hr EC50 crustacea, mg/L | ErC50 algae, mg/L |
|---|---|---|---|
| 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid - (55818-57-0) | No data available. | No data available. | No data available. |
| TRIPROPYLENE GLYCOL DIACRILATE - (42978-66-5) | 4.50, Leuciscus idus | 88.70, Daphnia magna | 28.00, Scenedesmus subspicatus |
| 1,6-Hexanediol diacrylate - (13048-33-4) | No data available. | No data available. | No data available. |
| Phenyl bis(2,4,6-Dimethylbenzoyl) Phosphine Oxide - (162881-26-7) | 0.10, Danio rerio | 1.18, Daphnia magna | 0.27, Desmodesmus subspicatus |

**Persistence and degradability**
There is no data available on the preparation itself.
**Bioaccumulative potential**
No available information
**Mobility in soil**
No available information
**Results of PBT and vPvB assessment**
This product contains no PBT/vPvB/vPvM chemicals.
**Other adverse effects**
No available information

## Section 13. Disposal considerations

**Waste treatment methods**
Observe all federal, provincial and local regulations when disposing of this substance.

## Section 14. Transport information

Not regulated for packages under 5L (1.3 gallons) or 5.0 kg (11 lbs).

| | US DOT (Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|---|---|---|---|
| **UN number** | UN3082 | UN3082 | UN3082 |
| **UN proper shipping name** | Environmentally hazardous substance, liquid, n.o.s. (Epoxy acrylate, Hexamethylene diacrylate) | Environmentally hazardous substance, liquid, n.o.s. (Epoxy acrylate, Hexamethylene diacrylate) | Environmentally hazardous substance, liquid, n.o.s. (Epoxy acrylate, Hexamethylene diacrylate) |
| **Transport hazard class(es)** | Class: 9<br>Sub Class: Not Applicable | Class: 9<br>Sub Class: Not Applicable | Class: 9<br>Sub Class: Not Applicable |
| **Packing group** | III | III | III |

**Environmental hazards**

IMDG Marine Pollutant: Yes;

**Special precautions for user**

No available information

## Section 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)

**Toxic Substance Control Act (TSCA)**

| CAS Number | Ingredient | Toxic Substance Control Act (TSCA) | Comments | Status |
|---|---|---|---|---|
| 0013048-33-4 | 1,6-Hexanediol diacrylate | Yes | | ACTIVE |
| 0055818-57-0 | 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid | Yes | XU | ACTIVE |
| 0162881-26-7 | Phenyl bis(2,4,6-Dimethylbenzoyl) Phosphine Oxide | Yes | PMN | ACTIVE |
| 0000108-88-3 | Toluene | Yes | | ACTIVE |
| 0042978-66-5 | TRIPROPYLENE GLYCOL DIACRILATE | Yes | | ACTIVE |

**EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**

Toluene

**Proposition 65 - Female Repro Toxins (>0.0%):**

Toluene

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 Label Warning:**



WARNING: This product can expose you to chemicals including [Toluene ], which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

## Section 16. Other information

**Revision Date** 20 July, 2026

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H411 Toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

Disclaimer: The information presented herein is supplied as a guide to those who handles or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

End of Document