

## 1 Identification

· **Product identifier**

**Catalog number:** UV90010, UV90030, UV90110, UV90130, UV90210, UV90230, UV90310, UV90330, UV90410, UV90430, UV90530, UV900KT

· **Trade name:** 8116

· **Article number:** 8116

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

No further relevant information available.

· **Application of the substance / the mixture** Adhesives

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

· **Manufacturer/Supplier:**

C. R. Laurence Co., Inc.  
2503 E Vernon Ave  
Los Angeles, CA 90058-1826  
Phone: (800) 421-6144

· **Emergency telephone number:**

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CONTACT CHEMTREC (800) 424-9300. FOR EMERGENCY CALLS ORIGINATING OUTSIDE THE UNITED STATES CALL (202) 483-7616.

## 2 Hazard(s) identification

· **Classification of the substance or mixture**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

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

· **Label elements**

· **GHS label element:**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:** GHS07

· **Signal word:** Warning

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

Methacrylic acid, monoester with propane-1,2-diol

2-hydroxyethyl methacrylate

· **Hazard statements:**

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

· **Precautionary statements:**

Avoid breathing mist/vapours/spray.

Wear protective gloves.

Wear eye protection / face protection.

Wash thoroughly after handling.

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

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

Continue rinsing.

Wash contaminated clothing before reuse.

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

If eye irritation persists: Get medical advice/attention.

If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

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

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



- **HMIS-ratings (scale 0 - 4)**



- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description: Adhesive**

· **Dangerous components:**

27813-02-1	Methacrylic acid, monoester with propane-1,2-diol Eye Irrit. 2A, H319; Skin Sens. 1, H317	25-50%
868-77-9	2-hydroxyethyl methacrylate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	2.5-10%
7473-98-5	2-hydroxy-2-methylpropiophenone Acute Tox. 4, H302	2.5-10%
2680-03-7	N,N-dimethylacrylamide Acute Tox. 3, H311; Acute Tox. 3, H331; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335; Flam. Liq. 4, H227	< 2.5%
123-31-9	Hydroquinone Muta. 2, H341; Carc. 2, H351; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Sens. 1, H317	< 0.5%

- **Additional information:** For the wording of the listed risk 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:**  
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.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **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 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet.
- **Special hazards arising from the substance or mixture:**  
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:** Do not inhale explosion gases or combustion gases.

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### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures.**  
Ensure adequate ventilation.  
Wear protective clothing.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
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

- **Handling:**
- **Precautions for safe handling:**  
Store in cool, dry place in tightly closed receptacles.  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Protect from heat.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 10
- **Specific end use(s):** No further relevant information available.

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### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

Breathing equipment:

- Not necessary if room is well-ventilated.
- Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

- Protective gloves.
- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
- Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

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

Eye protection: Tightly sealed goggles.

## 9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Color:	Clear
Odor:	Characteristic
Odour threshold:	Not determined.

pH-value: Not determined.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	205°C

Flash point: 95°C

Flammability (solid, gaseous): Not applicable.

Ignition temperature:

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapor pressure at 20°C: 0.1 hPa

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<ul style="list-style-type: none"> <li>áDensity at 20°C: 1.1 g/cm</li> <li>áRelative density: Not determined.</li> <li>áVapour density: Not determined.</li> <li>áEvaporation rate: Not determined.</li> </ul>
<ul style="list-style-type: none"> <li>áSolubility in / Miscibility with Water: Not miscible or difficult to mix.</li> </ul>
<ul style="list-style-type: none"> <li>áPartition coefficient (n-octanol/water): Not determined.</li> </ul>
<ul style="list-style-type: none"> <li>áViscosity: <ul style="list-style-type: none"> <li>Dynamic at 20°C: 3500 mPas</li> <li>Kinematic: Not determined.</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>áSolvent content: <ul style="list-style-type: none"> <li>Organic solvents: 0.0 %</li> <li>Water: 0.0 %</li> <li>VOC content: 0.0 %</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>Solids content: 47.2 %</li> <li>áOther information: No further relevant information available.</li> </ul>

## 10 Stability and reactivity

- áReactivity: No further relevant information available.
- áChemical stability
- áThermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- áPossibility of hazardous reactions: No dangerous reactions known.
- áConditions to avoid: No further relevant information available.
- áIncompatible materials: No further relevant information available.
- áHazardous decomposition products: Carbon monoxide and carbon dioxide.

## 11 Toxicological information

áInformation on toxicological effects

áAcute toxicity:

áLD/LC50 values that are relevant for classification:

27813-02-1 methacrylic acid, monoester with propane-1,2-diol:

Oral	LD50 *	> 2000 mg/kg (rat)
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Dermal	LD50 *	> 5000 mg/kg (rabbit)
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7473-98-5 2-hydroxy-2-methylpropiophenone:

Oral	LD50	1694 mg/kg (rat)
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Dermal	LD50	6929 mg/kg (rat) (OECD-Richtlinie 402)
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2680-03-7 N,N-dimethylacrylamide:

Oral	LD50	460 mg/kg (mouse)
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Dermal	LD50	519 mg/kg (rabbit)
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Inhalative	LC50/4 h	3.1 mg/l (rabbit)
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áPrimary irritant effect:

áOn the skin: Irritant to skin and mucous membranes.

áOn the eye: Irritating effect.

áSensitization: Sensitization possible through skin contact.

áAdditional toxicological information: Irritant.

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### 12 Ecological information

**áToxicity**

<b>áAquatic toxicity:</b>	
<i>27813-02-1 methacrylic acid, monoester with propane-1,2-diol:</i>	
EC50/48h	380 mg/l (daphnia)
<i>7473-98-5 2-hydroxy-2-methylpropiophenone:</i>	
EC50/48h* (static)	> 119 mg/l (daphnia) (OECD Richtlinie 202, Teil 1)

**áPersistence and degradability:** No further relevant information available.

**áBehavior in environmental systems:**

**áBioaccumulative potential:** No further relevant information available.

**áMobility in soil:** No further relevant information available.

**áAdditional ecological information:**

**áGeneral 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 sewer system.

**áResults of PBT and vPvB assessment**

**áPBT:** Not applicable.

**ávPvB:** Not applicable.

**áOther adverse effects:** No further relevant information available.

### 13 Disposal considerations

**áWaste treatment methods**

**áRecommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system

**áWaste disposal key:**

**áUncleaned packagings:**

**áRecommendation:** Disposal must be made according to official regulations.

### 14 Transport information

<b>áUN-Number</b>	
<b>áDOT, ADR, ADN, IMDG, IATA:</b>	Void
<b>áUN proper shipping name</b>	
<b>áDOT, ADR, ADN, IMDG, IATA:</b>	Void
<b>áTransport hazard class(es)</b>	
<b>áDOT, ADR, ADN, IMDG, IATA</b>	
<b>áClass:</b>	Void
<b>áPacking group</b>	
<b>áDOT, ADR, IMDG, IATA:</b>	Void
<b>áEnvironmental hazards:</b>	
<b>áMarine pollutant:</b>	No
<b>áSpecial precautions for user:</b>	Not applicable.
<b>áTransport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b>	Not applicable.

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· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Remarks:</b>	No hazardous material as defined by the prescriptions.
· <b>IMDG</b>	
· <b>Remarks:</b>	No hazardous material as defined by the prescriptions.
· <b>IATA</b>	
· <b>Remarks:</b>	No hazardous material as defined by the prescriptions.
· <b>UN "Model Regulation":</b>	Void

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **GHS label elements:**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:** GHS07
- **Signal word:** Warning
- **Hazard-determining components of labeling:**  
Methacrylic acid, monoester with propane-1,2-diol  
2-hydroxyethyl methacrylate
- **Hazard statements:**  
Causes skin irritation.  
Causes serious eye irritation.  
May cause an allergic skin reaction.
- **Precautionary statements:**  
Avoid breathing mist/vapours/spray.  
Wear protective gloves.  
Wear eye protection / face protection.  
Wash thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
Wash contaminated clothing before reuse.  
If skin irritation or rash occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
If on skin: Wash with plenty of water.  
Take off contaminated clothing and wash it before reuse.  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Environment protection department.
- **Contact:** Frau Dr. Jutta Lörzer.
- **Date of preparation / last revision:** 09/24/2015 / 27
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
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)

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*NFPA: National Fire Protection Association (USA)*  
*HMS: Hazardous Materials Identification System (USA)*  
*VOC: Volatile Organic Compounds (USA, EU)*  
*LC50: Lethal concentration, 50 percent*  
*LD50: Lethal dose, 50 percent*  
*PBT: Persistent, Bioaccumulative and Toxic*  
*vPvB: very Persistent and very Bioaccumulative*  
*Flam. Liq. 4: Flammable liquids, Hazard Category 4*  
*Acute Tox. 4: Acute toxicity, Hazard Category 4*  
*Acute Tox. 3: Acute toxicity, Hazard Category 3*  
*Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*  
*Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1*  
*Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2*  
*Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A*  
*Skin Sens. 1: Sensitisation - Skin, Hazard Category 1*  
*Muta. 2: Germ cell mutagenicity, Hazard Category 2*  
*Carc. 2: Carcinogenicity, Hazard Category 2*  
*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*  
 · **\* Data compared to the previous version altered.**

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