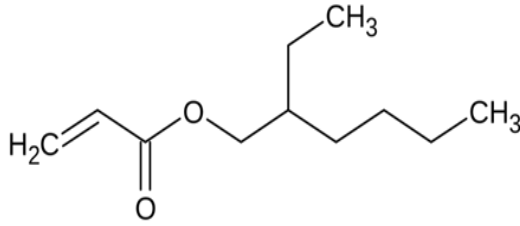


## 2-ETHYLHEXYL ACRYLATE (2-EHA)



**IUPAC NAME:** 2-ethylhexyl prop-2-enoate

**CHEMICAL FORMULA:** C<sub>11</sub>H<sub>20</sub>O<sub>2</sub>, CH<sub>2</sub>=CHCOOC<sub>8</sub>H<sub>17</sub>

**CAS NO:** 103-11-7

**MOLECULAR WEIGHT:** 184.27 g/mol

**PACKING:** Barrel 180 KG

### PRODUCT DESCRIPTION:

2-Ethylhexyl acrylate, with the molecular formula CH<sub>2</sub>=CHCOOC<sub>8</sub>H<sub>17</sub>, is an acrylate monomer. It exhibits excellent miscibility with various organic solvents and readily undergoes polymerization when combined with other monomer molecules, forming polymer chains.

### PROPERTIES:

- Toughness, flexibility, durability, elasticity, clarity
- Weather resistance, moisture resistance, chemical resistance
- Good low temperature properties, can be copolymerized with other acrylates
- Low volatility and low odor

### APPLICATION AREAS:

- In plastics
- In protective coatings
- In paper processing
- In water-based paints
- As a monomer in UV-cured coatings and inks

### IT IS APPLIED IN THE PRODUCTION OF:

- Coatings
- Adhesives
- Building Materials


**CHEMICAL PROPERTIES**

<b>PURITY</b>	≥ 99.0
<b>ACID CONTENT</b>	max. 0.009 %
<b>MOISTURE AMOUNT</b>	max. 0.05 %
<b>COLOUR (APHA)</b>	max. 10
<b>INHIBITOR</b>	10 – 20 ppm MEHQ

**PHYSICAL PROPERTIES**

<b>APPEARANCE</b>	Clear, Colourless
<b>PHYSICAL STATE</b>	Liquid
<b>ODOR</b>	pleasant, sweet smell
<b>MOLECULAR WEIGHT:</b>	0.887 g/cm <sup>3</sup> at 20 °C
<b>DENSITY</b>	214 °C
<b>BOILING POINT</b>	-90 °C
<b>FREEZING POINT</b>	82 °C
<b>FLASH POINT</b>	1.761 cP at 70 °C
<b>VISCOSITY</b>	0.1 mbar at 20°C

**SAFETY INFORMATION**

<b>HAZARD PICTOGRAM(S)</b>	 <p>Xi Irritant: Non-corrosive substances and preparations which, through immediate, prolonged or repeated contact with the skin or mucous membrane, may cause inflammation.</p>
<b>RISK PHRASES</b>	<p>R37/38: Irritating to respiratory system and skin.</p> <p>R43: May cause sensitization by skin contact.</p>
<b>SAFETY PHRASES</b>	<p>S24 Avoid contact with skin.</p> <p>S37 Wear suitable gloves.</p>
<b>STORAGE CLASS</b>	<p>3B Flammable Liquids</p>
<b>STORAGE CONDITIONS</b>	<ul style="list-style-type: none"> <li>• Keep the receptacle tightly sealed.</li> <li>• Store in dry conditions.</li> <li>• Protect from exposure to the light.</li> <li>• Protect from contamination</li> <li>• Store in a cool place.</li> <li>• Recommended storage temperature: 2-8°C</li> </ul>
<b>DISPOSAL</b>	<ul style="list-style-type: none"> <li>• Must not be disposed of together with household garbage. Do not allow products to reach the sewage system.</li> <li>• Must be specially treated adhering to official regulations.</li> </ul>
<b>TRANSPORT INFORMATION</b>	<p><b>Land transport ADR/RID (cross-border)</b></p> <ul style="list-style-type: none"> <li>• ADR/RID class: -</li> <li>• No hazardous good according to the regulation.</li> </ul> <p><b>Maritime transport IMDG:</b></p> <ul style="list-style-type: none"> <li>• IMDG Class: -</li> <li>• No hazardous good according to the regulation.</li> </ul> <p><b>Air transport ICAO-TI and IATA-DGR:</b></p> <ul style="list-style-type: none"> <li>• ICAO/IATA Class: -</li> <li>• No hazardous good according to the regulation.</li> </ul>
<p><b>For more information, check the SAFETY DATA SHEET or get contact with us.</b></p>	