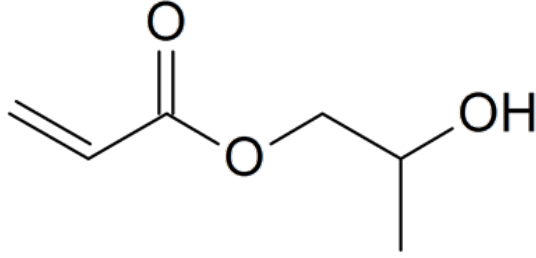


2-HYDROXYPROPYL ACRYLATE



IUPAC NAME: 2-hydroxypropylprop-2-enoate

CHEMICAL FORMULA: C₆H₁₀O₃, CC(COC(=O)C=C)O

CAS NO: 25584-83-2

MOLECULAR WEIGHT: 130.1 g/mol

PACKING:

PRODUCT DESCRIPTION:

Hydroxypropyl Acrylate (2-HPA) is an ester of Acrylic Acid and is used as a raw material in polymer synthesis. 2-Hydroxypropyl Acrylate (2-HPA) is a monofunctional acrylic monomer with a branched hydrophobic segment, possessing the characteristic high reactivity of methacrylate. It can form both homopolymers and copolymers. Copolymers of Hydroxypropyl Acrylate can be prepared with (meth)acrylic acid and its salts, amides, and esters, as well as with (meth)acrylates, acrylonitrile, maleic acid esters, vinyl acetate, vinyl chloride, vinylidene chloride, styrene, butadiene, unsaturated polyesters, and drying oils, among others.

PROPERTIES:

- Chemical Resistance
- Cross Linking
- Scratch Resistance
- Adhesion
- Low VOC (Volatile Organic Compound) content
- Rheology Modifier
- Weather Resistance

IT IS APPLIED IN THE PRODUCTION OF:

- Automotive Coatings
- Industrial Coatings
- Adhesives
- Plastics
- UV Curable Systems


CHEMICAL PROPERTIES

PURITY	min. 96.5 %
ACID CONTENT	max. 0.5 mg KOH/g
MOISTURE AMOUNT	max. 0.5 %
COLOUR (APHA)	max. 100
INHIBITOR	250 +/- 50 ppm MEHQ

PHYSICAL PROPERTIES

APPEARANCE	Clear, colourless
PHYSICAL STATE	Liquid
ODOR	Ester like
DENSITY	1.044 g/cm ³ at 25 °C
BOILING POINT	77 °C
FREEZING POINT	-23.39 °C
FLASH POINT	99 °C
VISCOSITY	9.1 mPa · s at 20 °C
VAPOR PRESSURE	1.18 hPa at 20 °C

SAFETY INFORMATION

HAZARD PICTOGRAM(S)	
HAZARD STATEMENT(S)	<p>H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
PRECAUTIONARY STATEMENT(S)	<p>P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.</p> <p>P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>
STORAGE CLASS	<p>Storage class (TRGS 510): 6.1A: Combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials.</p>
STORAGE CONDITIONS	<p>Tightly closed. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.</p>
DISPOSAL	<p>Waste treatment methods: No data available</p>
TRANSPORT INFORMATION	<p>UN number:</p> <ul style="list-style-type: none"> ● ADR/RID: 2922 ● IMDG: 2922 ● IATA: 2922 <p>UN proper shipping name:</p> <ul style="list-style-type: none"> ● ADR/RID: CORROSIVE LIQUID, TOXIC, N.O.S. (Hydroxypropyl acrylate, mixture of isomers) (Hydroxypropyl acrylate, mixture of isomers)



- IMDG: CORROSIVE LIQUID, TOXIC, N.O.S. (Hydroxypropyl acrylate, mixture of isomers) (Hydroxypropyl acrylate, mixture of isomers)
- IATA: Corrosive liquid, toxic, n.o.s. (Hydroxypropyl acrylate, mixture of isomers) (Hydroxypropyl acrylate, mixture of isomers)

Transport hazard class(es):

- ADR/RID: 8 (6.1)
- IMDG: 8 (6.1)
- IATA: 8 (6.1)

Packaging group:

- ADR/RID: II
- IMDG: II
- IATA: II

Environmental hazards:

- ADR/RID: no
- IMDG Marine pollutant: no
- IATA: no

For more information, check the SAFETY DATA SHEET or get contact with us.