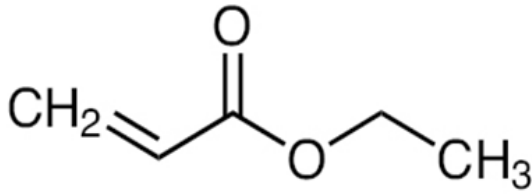

ETHYL ACRYLATE



IUPAC NAME: ethyprop-2-enoate

CHEMICAL FORMULA: C₅H₈O₂, CCOC(=O)C=C

CAS NO: 140-88-5

MOLECULAR WEIGHT: 100.12 g/mol

PACKING: Bulk, 1000 KG

PRODUCT DESCRIPTION:

Ethyl Acrylate (EA) is an ester of Acrylic acid and is used as a raw material in the synthesis of polymers. Ethyl Acrylate (EA) is a monofunctional monomer with the characteristic high reactivity of the acrylate group and a long hydrophobic portion. It forms homopolymers and copolymers. Copolymers can be prepared with (meth)acrylic acid and its salts, amides, esters, along with (meth)acrylates, acrylonitrile, maleic esters, vinyl acetate, vinyl chloride, vinylidene chloride, styrene, and other monomers.

PROPERTIES:

- Flexibility
- Elasticity
- Adhesiveness
- Stickness (adhesion property)

APPLICATION AREAS:

Ethyl Acrylate (EA) is used as a comonomer in the synthesis of acrylic dispersions. These dispersions are used in impregnation compositions in various industries, including adhesives, binders, leather, printing, paints, varnishes, cellulose, and paper.

IT IS APPLIED IN THE PRODUCTION OF:

- Acrylic dispersions
- Paints and Varnishes
- Textile
- Cellulose and Paper
- Leather
- Adhesives
- Binders
- Inks, fillers, and sealing materials.

CHEMICAL PROPERTIES

PURITY	min. 99.7 %
ACID CONTENT	max. 0.009 %
MOISTURE AMOUNT	max. 0.05 %
COLOUR (APHA)	max. 10
INHIBITOR	15 ± 5 ppm MEHQ

PHYSICAL PROPERTIES

APPEARANCE	Clear, colourless
PHYSICAL STATE	Liquid
ODOR	Pungent
MOLECULAR WEIGHT:	100.12 g/mol
DENSITY	0.922 g/cm ³ at 20 °C
BOILING POINT	100 °C
FREEZING POINT	-72 °C
FLASH POINT	9°C
VISCOSITY	0.55 mPa · s at 25°C
VAPOR PRESSURE	39 mbar at 20°C



SAFETY INFORMATION

HAZARD PICTOGRAM(S)	
HAZARD STATEMENT(S)	<p>H225 Highly flammable liquid and vapor.</p> <p>H302 + H312 Harmful if swallowed or in contact with skin.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H331 Toxic if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
RISK PHRASES	<p>R11 Highly flammable.</p> <p>R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.</p> <p>R36/37/38 Irritating to eyes, respiratory system and skin.</p> <p>R43 May cause sensitization by skin contact.</p>
SAFETY PHRASES	<p>S 9 Keep the container in a well-ventilated place.</p> <p>S16 Keep away from sources of ignition - No smoking.</p> <p>S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</p> <p>S33 Take precautionary measures against static discharges.</p> <p>S36/37 Wear suitable protective clothing and gloves.</p> <p>S60 This material and its container must be disposed of as hazardous waste.</p>
PRECAUTIONARY STATEMENT(S)	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P273 Avoid release to the environment.</p>

	<p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.</p> <p>P304 + P340 + P311 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor.</p>
STORAGE CLASS	Storage class (TRGS 510): 3: Flammable liquids
STORAGE CONDITIONS	<p>Keep the container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Keep locked up or in an area accessible only to qualified or authorized persons.</p> <p>Recommended storage temperature 2 - 8 °C</p> <p>Do not store under an inert atmosphere. Polymerization can occur.</p>
DISPOSAL	<p>After the addition of excess inhibitors, incinerate liquid and contaminated diking material in accordance with local, state, and federal regulations.</p> <p>Contaminated packaging: Dispose of as unused product. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all MSDS and label warnings even after the container is emptied. Do not burn, or use a cutting torch on, the empty drum. Pursue safe, legal methods for recycle of empty containers. Improper disposal or re-use of this container may be dangerous and illegal. Refer to applicable local, state and federal regulations.</p>
TRANSPORT INFORMATION	<p>Classification for ROAD and Rail transport:</p> <ul style="list-style-type: none"> ● Proper shipping name ETHYL ACRYLATE, STABILIZED ● UN-Number UN 1917 ● Class 3 ● Packing group II <p>Classification for SEA transport (IMO-IMDG):</p> <ul style="list-style-type: none"> ● Proper shipping name ETHYL ACRYLATE, STABILIZED ● UN-Number UN 1917 ● Class 3 ● Packing group II ● Reportable Quantity Ethyl acrylate <p>Classification for AIR transport (IATA/ICAO):</p> <p>Consult current IATA regulations prior to shipping by air.</p>
<p>For more information, check the SAFETY DATA SHEET or get contact with us.</p>	