

PRODUCT SPECIFICATION

ACRYLIC ACID „P“**Synonyms:** ethylenecarboxylic acid, propene acid**CAS:** 79-10-7**Chemical Formula:** $C_3H_4O_2$ **Structural:** $CH_2=CH-COOH$ **Parameters:**

Color, Hazen units, max.	- 10
Mass fraction of acrylic acid, %, min.	- 99.5
Mass fraction of water, %, max.	- 0.1
Mass fraction of acetic acid, %, max.	- 0.1
Mass fraction of propionic acid, %, max.	- 0.05
Mass fraction of furfural, and acrolein, %, max	- 0.02
Mass fraction of inhibitor (MEHQ), ppm	- 200±20
Mass fraction of Iron content, ppm, max	- 0,3
Mass fraction of copper, ppm, max	- 0,1
Mass fraction of dimer, %	Not rated
The presence of the polymer	Absence

Physical state	Colorless transparent liquid with unpleasant odor
Molecular weight	72,06
Specific weight (ρ) (at 20°C)	1,05 g/cm ³
Boiling temperature	141,6 °C
Melting point	13,5 °C
Flash point:	
- in closed crucible	48 °C
- in open crucible	54 °C
Self-ignition temperature	440 °C
Ignition temperature	67 °C
Solubility in water (at 20°C)	∞
Solubility in organic solvents	Mutual solubility with methyl and ethyl alcohol
Viscosity (at 25°C)	1,15 cps
Specific resistance	10 ⁹ ohm·cm
Evaporation heat	120 cal/g

Packing: bulk (rtcs, Iso-tank, vessel)**Contact:** va@sibur-int.comCOMPANY COMMUNICATION:

Tel.: +43 1 370 8000-0
Fax.: +43 1 370 8000-20
<http://www.sibur-int.com/>

COMPANY ADDRESS:

Nussdorfer Platz 8
1190 Vienna
AUSTRIA

COMPANY DETAILS:

Place of Jurisdiction: Vienna
Commercial Register Nr.: FN 229446X
VAT Registration No. ATU 56388233