



2-HYDROXYPROPYL ACRYLATE

Technical Data Sheet (TDS)

Product Name	2-HYDROXY PROPYL ACRYLATE		
Product Alias	2-HYDROXYPROPYL PROP-2-ENOATE		
Application	Mainly used in heat curing acrylic coatings, light curing acrylic coatings, photographic coatings, water-soluble electroplating coatings, adhesives, textile treatments, and modifiers for ester processing prepolymers.		
CAS No.	25584-83-2	HS CODE	29161290.90
EC No.	247-118-0		
Molecular Weight	130.14	Molecular Formula	C ₆ H ₁₀ O ₃
Monoester (W.%)	≥95%	Purity (W.%)	≥98%
Water (W.%)	≤0.2	Acid (W.%)	≤0.1
Inhibitor (MEHQ, CAS#: 150-76-5)	250±50 ppm	Color (Hazen)	≤20
Appearance	Colorless clear transparent liquid, no mechanical impurities.		
Density (g/m ³)	1.054	Vapor Density (g/m ³)	4.5
Octanol Water partition coefficient	0.17	Refraction index (20°C)	1.444
Boiling Point	77°C(6.66kPa)	Melting point (°C)	-30
Flash Point (°C)	100 (open) 89 (close)	Spontaneous combustion temperature (°C)	≥300
Vapor pressure (kPa)	0.188mmHg	Decomposition temperature (°C)	≥300
Evaporation rate (kg/S)	≤0.01	Viscosity mPa.s (20°C)	8.1
Specific heat cal/g°C	0.49	Polymerization heat kcal/mol	/
Solubility % (underwater)	13	Solubility % (water in material)	13.3
Explosive range air VOL%	2.0—	Toxicity (rodent)LD50mg/kg	1230
Solubility	Soluble in organic solvents.		
Prohibition on disposable material	Strong redox agents, acids, peroxides, heavy metal salts.		
Packing	Polyethylene plastic drums, IBC, Teflon lined iron drums, ISO TANK tanks.		

DECHEM GROUP LTD

Address: No.9 Xinyuan Road, Tancheng County Economic Development Zone, Linyi City, Shandong Province, China

Zip code: 276100

TEL: +8615165538198

Email: sales.samsun@dechemgroup.com