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	$C_6H_{10}O_3$
Monoester（W.%）	≥93%	Purity（W.%）	≥98%
Water（W.%）	≤ 0.3	Acid（W.%）	≤ 0.3
Inhibitor（MEHQ，CAS#：150-76-5）	300±50 ppm	Color（Hazen）	≤ 25
Appearance	Colorless clear transparent liquid, no mechanical impurities.		
Density（g/m³）	1.054	Vapor Density（g/m³）	4.5
Octanol Water partition coefficient	0.17	Refraction index（20℃）	1.444
Boiling Point	77℃(6.66kPa)	Melting point（℃）	-30
Flash Point（℃）	100（open） 89（close）	Spontaneous combustion temperature（℃）	≥300
Vapor pressure（kPa）	0.188mmHg	Decomposition temperature（℃）	≥300
Evaporation rate（kg/S）	≤0.01	Viscosity mPa.s（20℃）	8.1
Specific heat cal/g℃	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.		

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