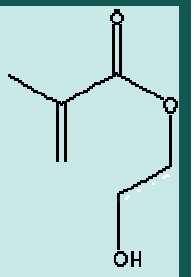
2-HYDROXYETHYL METHACRYLATE



PRODUCT IDENTIFICATION	
CAS NO.	868-77-9
EINECS NO.	212-782-2
FORMULA	$H_2C=C(CH_3)COOCH_2CH_2OH$
MOL WT.	130.14
H.S. CODE	2916.14
TOXICITY	Oral rat LD50: 1600 mg/kg
SYNONYMS	Ethylene Glycol Methacrylate; 2-(Methacryloyloxy)ethanol; 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester; Methacrylic acid, 2-hydroxyethyl ester; ¥â-Hydroxyethyl methacrylate; Ethylene glycol monomethacrylate; Glycol methacrylate; Glycol monomethacrylate; Hydroxyethyl methacrylate; 2-HEMA;
DERIVATION	
CLASSIFICATION	

PHYSICAL AND CHEMICAL PROPERTIES	
PHYSICAL STATE	clear liquid
MELTING POINT	-12 C
BOILING POINT	205 C
SPECIFIC GRAVITY	1.072 - 1.076
SOLUBILITY IN WATER	Miscible
pH	
VAPOR DENSITY	5.0
AUTOIGNITION	
NFPA RATINGS	
REFRACTIVE INDEX	1.451
FLASH POINT	107 C
STABILITY	The stability depends upon dissolved oxygen and MEHQ inhibitor. The presence of oxygen is necessary for inhibitor to prevent polymerization.

APPLICATIONS

2-Hydroxyethyl Methacrylate is used in light curing polymer system and high performance coatings for lasting high gloss against cratching, solvents and weathering. It is used in paint resins and emulsions, binders for textiles and paper. It is used as a adhesion promoter for metal coatings.

SALES SPECIFICATION	
APPEARANCE	clear liquid
PURITY	97.0% min
COLOR, APHA	30 max
FREE ACID	1.0% max
WATER	0.3% max
INHIBITOR	50ppm (Monomethyl Ether Hydroquinone)

TRANSPORTATION	
PACKING	200kgs in drum
HAZARD CLASS	
UN NO.	

REMARKS