Slightly viscous liq. Sweet taste. *Poisonous! Do not swallow!* Considerably hygroscopic: Absorbs twice its weight of water at 100% relative humidity. \( d^0 = 1.1274 \), \( d^{10} = 1.1204 \), \( d^{20} = 1.1135 \), \( d^{30} = 1.1065 \). One gallon weighs 9.3 lbs. Flash pt, open cup: 240°F (115°C). mp -13°C. bp\textsubscript{760} 197.6°C; bp\textsubscript{97} 140°C; bp\textsubscript{18} 100°C; bp\textsubscript{3.0} 70°C; bp\textsubscript{0.06} 20°C. \( n_D^{15} = 1.43312 \); \( n_D^{25} = 1.43063 \). Viscosity in centipoises: 26 at 15°C; 21 at 20°C; 17.3 at 25°C. Dielectric constant at 20°C and 150 meters wavelength: 38.66 esu. Dipole moment 2.20. Spec heat (20degrees): 0.561 cal/g/°C. Heat of formation -108.1 kcal/mol. Heat of fusion 44.7 cal/g. Heat of vaporization 191 cal/g. Heat of soln -6.5 cal/g of soln at 17°C when 37 parts are mixed with 63 parts H\textsubscript{2}O (w/w). Parachor 148.9 (theory 152.2). Surface tension at 20°C = 48.4 dynes/cm. Miscible with water, lower aliphatic alcohols, glycerol, acetic acid, acetone and similar ketones, aldehydes, pyridine and similar coal tar bases. Slightly sol in ether (1:200). Practically insol in benzene and its homologs, chlorinated hydrocarbons, petr ether, oils. Density and freezing point of ethylene glycol-water mixtures: 10.15% ethylene glycol by wt (\( d^{20} \), fp): 1.013, -3.5°C; 20.44% ethylene glycol: 1.027, -8°C; 29.88% ethylene glycol: 1.040, -15°C; 40.23% ethylene glycol: 1.054, -24°C; 50.18% ethylene glycol: 1.067, -36°C; 58.37% ethylene glycol: 1.0770, -48°C. LD 50 in rats, guinea pigs (g/kg): 8.54, 6.61 orally (Smyth); in mice (ml/kg): 13.79 orally (Bornmann).