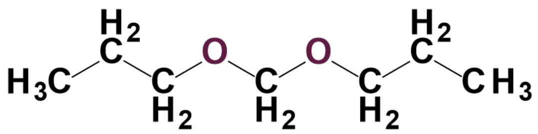
Propylal

DESCRIPTION

CAS number	505-84-0	Molecular formula	$C_7H_{16}O_2$
EC number	208-021-9	Molecular weight	132,2
IUPAC name	1-(propoxymethoxy)propane		
EC name	Dipropoxymethane		

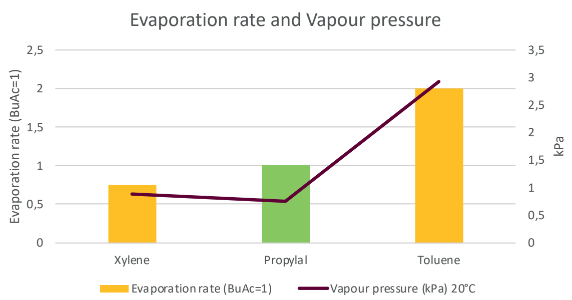


PROPERTIES

Boiling point (°C) at 1013 hPa			137,2
Flash point (°C) at 1013 hPa	DIN 51755 part 2	Closed cup	26
Vapour pressure (kPa) at 20°C	ASTM D323 modified		0,75
Evaporation rate	ASTM D3539	Butyl acetate = 1	1
Relative density at 20°C	OECD 109		0,8338
Surface tension (mN/m) at 25°C			23,43
Water solubility (g/L) at 20°C		Propylal in water	3,65
Kinematic viscosity (mm²/s) at 25°C			0,77
Hansen Solubility parameters (MPa½)	Total δ_T		16,86
	Dispersion δ_d		15,55
	Polarity δ_p		4,27
	Hydrogen bond δ_h		4,93

FEATURES

- Good solvent power for non polar ingredients
- Medium drying time (equivalent to Butyl acetate)
- Good wetting
- Low viscosity
- Ideal alternative to light hydrocarbons
  - Substitution of aromatics



	Toluene	Propylal	Xylene
Hazard pictogram			
Classification	Asp. Tox. 1 Flam. Liq. 2 Skin Irrit. 2 STOT RE 2 STOT SE 3	Flam. Liq. 3	Acute Tox. 4 Skin Irrit. 2 Flam. Liq. 3 Acute Tox. 4