Methylal

DESCRIPTION

CAS number	109-87-5	Molecular formula	$C_3H_8O_2$
EC number	203-714-2	Molecular weight	76,09
IUPAC name	Dimethoxymethane		
EC name	Dimethoxymethane		

PROPERTIES

Boiling point (°C) at 1013 hPa			42,3
Flash point (°C) at 1013 hPa	DIN 51755 part 2	Closed cup	-30,5
Vapour pressure (kPa) at 20°C	ASTM D323 modified		40
Evaporation rate	ASTM D3539	Butyl acetate = 1	12,5
Relative density at 20°C	OECD 109		0,861
Surface tension (mN/m) at 25°C			21,2
Water solubility (g/L) at 20°C		Methylal in water	330
Kinematic viscosity (mm²/s) at 25°C			0,371
Hansen Solubility parameters (MPa^{½})	Total δ_T		17,20
	Dispersion δ_d		15,09
	Polarity δ_p		2,53
	Hydrogen bond δ_h		7,86

FEATURES

- High solvent power
  - Solubilizing a wide range of polymers, resins and rubbers
  - Dissolving oils, greases, silicone oils
- Very fast evaporation
  - Quick drying ideal for sprayed products
- Very low viscosity
  - Improving the flowability
- Excellent surface tension
  - Enhancing the wetting
- Partially water miscible
  - Easy to formulate water based references

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Upon request