

70890 Diacetone Alcohol

Formula: $(\text{CH}_3)_2\text{C}(\text{OH})\text{CH}_2\text{COCH}_3$
 Synonym: 4-Hydroxy-2-methylpentan-2-one

Appearance: colorless liquid
 CAS No.: 123-42-2
 EINECS No.: 204-626-7
 REACH Reg. No.: 01-2119473975-21-xxxx

Specification:

Properties	Values	Method
Density (20°C)	0.937 – 0.941 kg/l	DIN 51 757
Refractive index (20°C)	1.421 – 1.425	DIN 51 423
Water content	0.1 %	DIN 51 777
Purity	98.0 %	GC

Further Parameter:

Properties	Values
Evaporation rate (nBuAC = 1)	0.15
Surface tension (20°C)	30 mN/m
Electric conductivity (20°C)	20 pS/m

Properties:

Relatively low volatility, flammable liquid with high flash point. More intense heating produces explosive mixtures, ignition by hot surfaces, sparks or open flames.

Health hazards:

In higher concentrations, vapors have a narcotic effect and cause irritation to eyes and respiratory tract. Kidney and liver damage possible.

Remarks:

Mixes completely with water, is hazardous to water ("M") in larger quantities. Store in a cool, dark place as it changes color (yellowing) in the presence of light and heat. Decomposes when heated and in combination with alkalis.

Fields of application:

Solvent for natural and synthetic resin paints and component in paint thinners to improve flow and gloss and to counteract blistering. In the leather industry as a solvent for pyroxylin. Low-volatile solvent for many basic dyes (e.g. for printing and dyeing textiles) .

Component in cleaning agents, e.g. for printing rollers.