DIACETONE ALCOHOL (DAA)



CAS N° 123-42-2

GENERAL CHARACTERISTICS

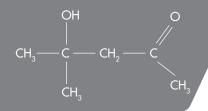
Diacetone Alcohol (DAA) is unique in that it has two functional groups - both a ketone and an alcohol. DAA will dissolve polar resins, oils, fats, tars, dyes, waxes and rubber and it is also fully miscible in water, making it suited to water-based coatings and formulations.

DAA is a clear, high boiling, slow evaporating liquid. Its bi-functionality imparts significantly higher solvent strength than a solvent with similar volatility (evaporation rate) and only one functional group.

Its exceptional solvent strength for such a slow evaporating solvent means less solvent may be required, enabling formulators to reduce overall solvent levels in their formulations. This means that in applications where the solvent evaporates to the atmosphere during use, lower levels of VOC emissions are produced.

MAIN APPLICATIONS

- Waterborne coating, coil coating and wood coating: DAA is commonly used as a solvent, co-solvent or coalescing agent in these different coatings.
- Organic peroxides: DAA is used as a flegmatizer (stabilizer) for organic peroxides in the polymerisation of unsaturated polyester resins. It allows the diminution of activation temperature of the peroxide.
- **Dyes:** DAA is used in pigment dyes grinding.
- **Chemicals synthesis:** Solvent for chemical synthesis (Di Acetone acrylamide) and cleaning industrial installations (agrochemicals).
- Others: Pesticides formulations. Cleaning and de-waxing agent for metal, rubber rolls, glass fibber reinforced plastics.







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