

TRANSPORT

Solvents as jet fuel anti-icing additives Why is the role of solvents essential?

Glycol ethers are used as additives to jet fuel to prevent ice build-up. Anti-icing additives are added to aviation fuels to help to prevent the formation of ice crystals in filters, fuel lines and other fuel system components. Jet fuel can contain a small amounts of dissolved water. As an aircraft gains altitude, the temperature drops and the jet fuel's capacity to hold water is diminished. Dissolved water can separate out and could become a serious problem if it freezes in fuel lines or filters, blocking the flow of fuel and potentially shutting down an engine. Jet fuel anti-icing additives such as DEGME control icing in aircraft fuel by depressing the freezing point of water and therefore preventing ice formation.

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*Glycol ethers such as DEGME (CAS 111-77-3 - EC
203-906-6)*



PROFESSIONAL USE

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