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(54) Title: MULTI-COMPONENT LIQUID AZODINITRILE MIXTURES (57) Abstract An azodinitrile composition comprising a mixture of at least six different azodinitriles of formula (I), wherein R ₁ , R ₂ , R ₃ , and R ₄ are each independently acyclic aliphatic hydrocarbon radicals of 1 - 9 carbon atoms, said mixture having a freezing point of a maximum of 25 °C and a process for its preparation are disclosed. $\begin{array}{ccc} R_1 & & R_3 \\ & & \\ R_2 - C - N = N - C - R_4 \\ & & \\ CN & & CN \end{array} \quad (I)$		