

Dear Partner,

We are AFINITICA, the company that is changing the world of cyanoacrylates.

Thanks to ethyl cyanoacrylate we have been able to enjoy instant bonding on almost every substrate. A plethora of formulations based on this incredible monomer have enabled end users to achieve many desirable properties from these unique adhesives. The reactivity of cyanoacrylates has always been a subject of intrigue - how is it possible to instantly cure one drop of monomer when it is squeezed between substrates, yet manufacture and package such reactive materials at scale in mass production? In truth, this has been achieved by a great deal of expertise developed over decades, and mastered by a handful of companies in the world. Even with such expert development over such a long period of time, the ability to offer structural variants of cyanoacrylate monomers has not been achieved, until now.

Afinitica Technologies has developed a breakthrough manufacturing method that enables a host of different cyanoacrylate monomers to be made in high yield and purity, with the elusive combination of high reactivity and high stability. These monomers may be liquid or solid, monofunctional or difunctional, non-volatile, non-lachrymatory, hydrophobic or hydrophilic, cure to glassy or rubbery polymers and co-polymers that may be further crosslinked. Offered to the formulator, these vastly expand the possibilities of application for adhesives that uniquely cure without the need of an additional stimulus. We are sure you can contemplate many possibilities, starting with the first selection of monomers presented here. Please contact us with your needs and design ideas and we will offer or customize a solution.

Ciaran McArdle
CTO

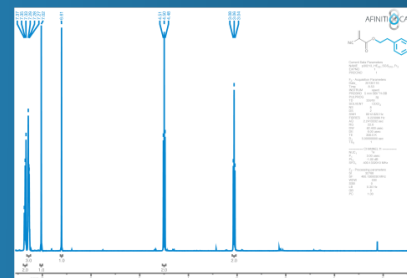


AFINITICA Specialty Monomers

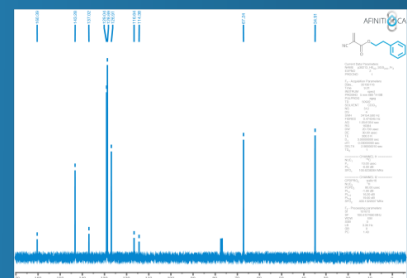
Our specialty monomers are synthesized through a new-to-the-world innovative industrial method owned by Afinityca. It was developed with the scope to overcome the limitation of the current manufacturing methodology for cyanoacrylates.

This allows us to offer the widest variety of cyanoacrylate monomers, at purity levels always above 99% for all our liquid cyanoacrylate monomers and in the range of 98% purity for our solid monomers and bis-cyanoacrylates.

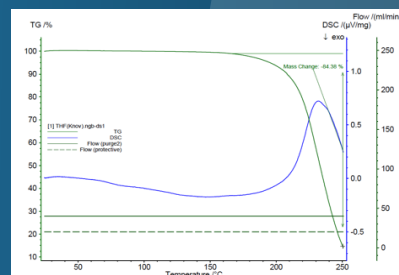
We also offer full analytical characterization (organic purity, reactivity and stabilization package) to help formulators or scientists in their daily R&D activities.



¹H-NMR



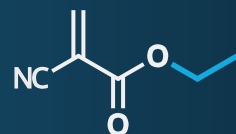
¹³C-NMR



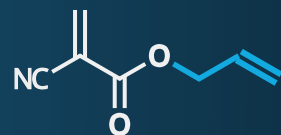
TGA, DSC



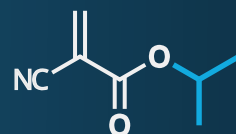
AF810 - Ethyl Cyanoacrylate



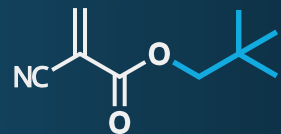
AF810 - Ethyl Cyanoacrylate



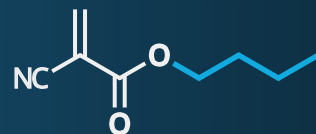
AF820 - iso-Propyl Cyanoacrylate



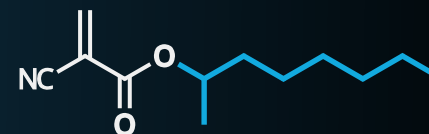
AF540 - Neopentyl Cyanoacrylate



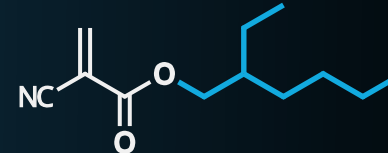
AF830 - n-Butyl Cyanoacrylate



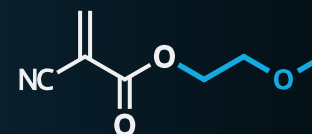
AF840 - Octyl Cyanoacrylate



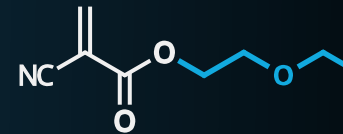
AF850 - Ethylhexyl Cyanoacrylate



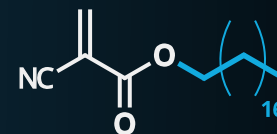
AF870 - Beta-methoxyethyl Cyanoacrylate



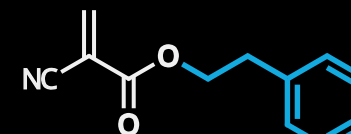
AF880 - Beta-ethoxyethyl Cyanoacrylate



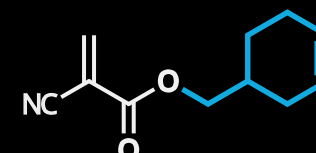
AF520 - Octadecyl Cyanoacrylate



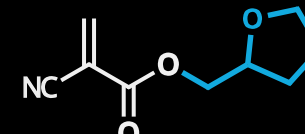
AF510 - Phenylethyl Cyanoacrylate



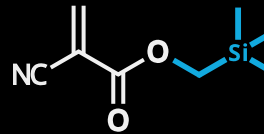
AF860 - Cyclohexenyl Cyanoacrylate



AF510 - Tetrahydrofuran Cyanoacrylate



AF560 - Trimethylsilane Cyanoacrylate



AF550 - 1,6-Hexanediol Bis-cyanoacrylate

