

# FUTURE

Superglues

# MECA

Methoxyethyl Cyanoacrylate

from



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# MECA Methoxyethyl Cyanoacrylate

## The future of Cyanoacrylate Adhesives

Since our inception in 1993, **Cartell** has been focusing on technology advancement of monomer production. Over the years, the main stream monomer in both consumer and industrial markets has been the traditional ethyl 2-cyanoacrylate, due to its availability and well-established research data in formulations.

With the aim to transform the adhesive market place, **Cartell** Group obtained a new "Crackless" process for the synthesis of different cyanoacrylate monomers through research and development.

Intensive research efforts have been injected into the formulation project to create products for many different applications. However, Methoxyethyl Cyanoacrylate, a.k.a. MECA, has been chosen by **Cartell** as the main product to be produced using the new technology. MECA enjoys the benefits of low odour, low blooming, flexibility, and fast setting times, which are ideal for both consumer and industrial markets. Not only does the MECA enjoy additional benefits in physical performance, it is also more user and environmentally friendly. **Cartell** is a company with a full REACH registration to comply with the European regulations.

Today **Cartell** provides MECA products with comparable performances to the conventional ethyl-2-cyanoacrylate products while also enjoying the additional benefits mentioned above. This opens new doors to today's adhesive market where innovation and sustainability are the key issues to be addressed.





**Low Odour Low Blooming  
UV Light Curing  
Surface Insensitive  
Highly Flexible  
Environmentally Friendly  
High Temperature Resistance  
High Impact Resistance**

**! D O E S N O T A P P L Y ☠**

Learn more, for further information visit '[www.cartell-uk.com](http://www.cartell-uk.com)' & CONTACT US.

## Surface Insensitive

Grade	Description
<b>MXBON 22406</b>	Fast setting, low odour, low blooming. As a one component, room temperature curing adhesive, it is particularly suitable for application where vapor control is difficult. It is designed for OEM assemble of wide range of including metals, plastics, elastomers, wood, leather, etc.
<b>MXBON 22401</b>	Fast setting, low odour, low blooming. Used for a wide range of materials, including metals, plastics and elastomers. It is also suited for bonding porous materials such as wood, leather and fabric.
<b>MXBON 22403</b>	Fast setting, low odour, low blooming. Designed particularly to suit applications where vapor control is difficult. This product provides rapid bonding of a wide range of materials, including metals, plastics, elastomers, wood and leather.

## UV Light Cure Cyanoacrylate

Grade	Description
<b>MXBON 22441</b>	Low viscosity, light curing cyanoacrylate. Combines the light curing mechanism & cyanoacrylate technology, allowing the glue to be cured instantly when exposed to UV light. This dual curing mechanism is ideal for application where "Cure on demand" is required. This glue will also cure by itself without UV light. The low viscosity allows this adhesive to penetrate small gaps for better bonding performance.
<b>MXBON 22443</b>	Medium viscosity, light curing cyanoacrylate. Combines the light curing mechanism & cyanoacrylate technology, allowing the glue to be cured instantly when exposed to UV light. This dual curing mechanism is ideal for application where "Cure on demand" is required. This glue will also cure by itself without UV light. The medium viscosity allows better control of the glue to create better performance.





## High Impact Resistant

Grade	Description
<b>MXBON 22435</b>	Low odour, low blooming rubber toughened cyanoacrylate adhesive. Designed for assembly of high flexibility and peeling strength along with enhanced shock resistance. The product exhibits good resistance in humid environment, and rapid bonding of a wide range of materials, including, metals, plastics, and rubbers.

## High Temperature Resistant

Grade	Description
<b>MXBON 22698</b>	MXBON 22698 is the first low odour, low blooming, cyanoacrylate adhesive, capable of withstanding temperature up to +150°C with prolonged exposure while maintaining its performance and adhesion strength. Moreover, it can withstand temperature fluctuations upto 170°C, making it a truly thermally resistant adhesive.

**ISO 10993-5 Certified**

## Highly Flexible

Grade	Description
<b>MXBON 224902</b>	Low odour, low blooming, highly flexible cyanoacrylate adhesive designed for the assembly of flexible medical devices. It offers significant performance enhancements compared to standard ethyl cyanoacrylate adhesives including strength in flexing bond lines and resistance to leak with excellent sealing capability. The low blooming property also prevents pollution of bonding area.

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