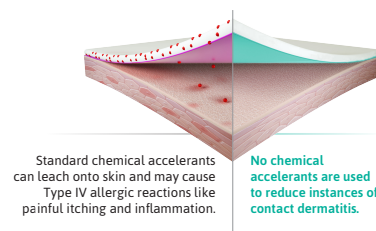


## THE BENEFITS OF ACCELERATOR-FREE NITRILE GLOVES

In a cleanroom or controlled environment, the demand for personal protective equipment (PPE) that aligns with stringent regulations and contamination standards is paramount. Recent awareness around the environmental and health impacts of certain chemicals used in the manufacturing of disposable gloves, particularly accelerators, has led to a pivotal shift towards accelerator-free nitrile gloves.



### What are Accelerator-Free Nitrile Gloves

Accelerator-free nitrile gloves are defined by their absence of chemical accelerants in the production process, distinguishing them from traditional nitrile gloves. **Accelerators are chemicals added to traditional nitrile gloves during production to expedite the vulcanization process, ensuring the material's durability and strength.** However, concerns about skin allergies and environmental sustainability have prompted a shift towards accelerator-free nitrile gloves. By eliminating these chemicals, accelerator-free gloves offer a safer alternative for both users and the environment.

BioClean™  
Excell BEXS



Nitrilite™  
93-401



BioClean™  
Emerald BENS



Nitrilite™  
93-311



Kimtech™  
Opal™



### The Benefits of Accelerator-Free Nitrile Gloves for Allergy Prevention, Comfort, and Eco-Sustainability:

#### Reduced Risk of Allergies

One of the primary advantages of accelerator-free nitrile gloves is the reduced risk of allergic reactions. Traditional nitrile gloves may contain residual accelerators, such as thiurams and carbamates, which can trigger contact dermatitis in some individuals. Accelerator-free gloves eliminate this risk, making them a safer option for users with sensitive skin or latex allergies. Accelerator-free options provide a safer alternative, ensuring personnel in healthcare, biotech, pharmaceuticals, and laboratory settings can benefit from gloves that minimize the risk of skin irritations and allergic responses.



#### Uncompromised Barrier Protection and Film Permeation Properties

Accelerator-free gloves continuously demonstrate superior tensile strength and durability, providing the much-needed barrier protection during applications. In comparing accelerator-free gloves to standard nitrile gloves, there is no compromise observed in physical film strength or chemical permeation capabilities of accelerator-free gloves. Professionals in healthcare, research laboratories, and manufacturing industries can perform their tasks confidently knowing they have a safer option for their hand protection needs as well as a cleaner product for product protection.





## Environmental Sustainability

As the world becomes increasingly environmentally conscious, businesses are seeking sustainable alternatives in their operations. Accelerator-free nitrile gloves address this concern by reducing the environmental impact associated with traditional glove production. The absence of accelerators in the manufacturing process results in a glove that is not only safer for users but also more eco-friendly. Fewer chemicals are used in comparison to conventional dipping methods, resulting in a cleaner production process and a cleaner final product. Choosing accelerator-free gloves contributes to a more sustainable and responsible approach to disposable glove usage.

For more details on how Ansell is advancing our sustainability claims and contributing to a greener planet, visit our [Ansell Earth sustainability page](#).

## Compliance with Regulatory Standards

With a growing emphasis on occupational health and safety, industries are under pressure to comply with stringent regulations. Accelerator-free nitrile gloves often meet or exceed regulatory standards for glove manufacturing, ensuring that users are protected against potential health hazards. Choosing gloves that adhere to these standards not only safeguards the well-being of individuals but also demonstrates a commitment to workplace safety and compliance.



## Versatility in Applications

Accelerator-free nitrile gloves find applications in various industries, including healthcare, pharmaceuticals, food processing, and research laboratories. Additionally, these gloves are increasingly being used in cleanroom applications where stringent contamination control is required. In cleanrooms, these gloves are essential for tasks such as semiconductor manufacturing, biotechnology production, pharmaceutical compounding, and aerospace assembly, where maintaining a contaminant-free environment is critical.

The versatility of these gloves makes them suitable for a wide range of tasks, from medical examinations to intricate laboratory procedures. Businesses can streamline their glove procurement process by adopting a single, versatile glove that meets the diverse needs of their workforce.

Accelerator-free nitrile gloves represent a significant leap forward in the evolution of disposable glove technology. By prioritizing user safety, ergonomic comfort, and environmental sustainability, these gloves offer a compelling alternative to traditional nitrile gloves containing accelerators. As industries continue to prioritize the well-being of their employees and the planet, the adoption of accelerator-free nitrile gloves is likely to increase, contributing to a safer, more comfortable, and more sustainable working environment for all.

## Ready to Experience the Difference?

Visit Ansell's [cleanroom gloves](#) to explore our comprehensive range of accelerator-free nitrile gloves and find the perfect solution for your specific needs. We offer a variety of options designed to ensure optimal protection, comfort, and dexterity while minimizing environmental impact.

**For more information, please contact your local Ansell representative.**