

A Chemfort syringe is shown at an angle, tilted upwards. The syringe barrel is filled with a vibrant red liquid. The plunger is visible, and the needle is attached. The syringe has a white and grey body with a clear scale on the barrel. The background is a dark blue gradient with a large, faint, light blue circular shape behind the syringe.

Chemfort[®]

Unmatched Safety
Brilliantly Simple

The Power of **ToxiGuard®** Inside



02

01

Our Technology

The only drug-binding matrix
mechanical barrier

01 **Septum Dry Connection**

protects against droplets and needle stick injuries

02 **Drug-Binding Matrix Mechanical Barrier**

Innovative microtech is comprised of a unique active carbon dual binding matrix mechanical barrier and a 0.2um hydrophobic and oleophobic microbial membrane.



The Risks of Working with Hazardous Drugs

Occupational exposure to hazardous drugs occurs due to

-  Needle stick & sharps injury
-  Skin contact
-  Inhalation
-  Unintentional hand-to-mouth ingestion



Routine handling of hazardous drugs has been shown to lead to

-  Nausea
-  Skin rashes
-  Infertility & miscarriages
-  Birth defects
-  Cancer

Our Solution Chemfort®

A complete closed, safe solution for hazardous drug exposure



Professional healthcare and patient safety

Minimize hazardous drug exposure



Ease of use

A leading CSTD with easy-to-use and ergonomic design



Compatible with all known HDs

Tested with real hazardous drugs



Economic benefit

Maintains sterility for up to 7 days and 10 activations - reducing wastage and decreasing expenditure

Chemfort products meet the National Institute for Occupational Safety and Health (NIOSH) definition of Closed System Transfer Devices. They are FDA-cleared under the ONB product code and CE-marked.



How Does it Work?

Locks In. Locks Out.

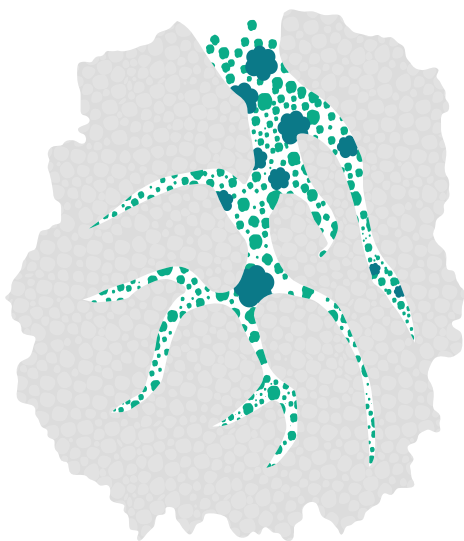
The only microtech drug-binding matrix mechanical barrier



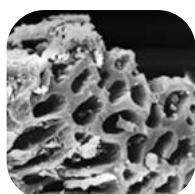
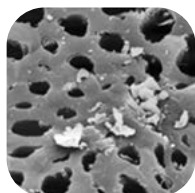
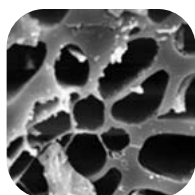
Pulls & Locks In

Cytotoxic and other hazardous drug vapors, aerosols, and droplets inside the pore compartments. Strong locking forces captivates drugs molecules.

Schematic presentation of activated carbon pore structure



Activated carbon pores



Small molecules in micro-pores



Small & large molecules in macro-pores

* Data provided by ScienceDirect.com



Active pulling forces

Continuously draws HD molecules into micropores



Physical locking in micropore

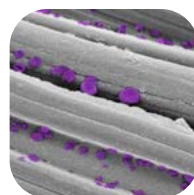
Adsorption mechanism captures HD molecules



Locks Out & Deactivates

Airborne contaminants and particles, including microbes and viruses, preventing entry into the drug. Strong locking forces rupture & kill bacteria.

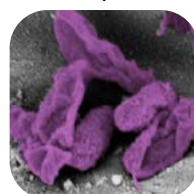
Activated carbon surface



Activated carbon x10,000



Activated carbon attracting pseudomonas aeruginosa bacteria x50,000



Ruptured and deactivated bacteria x50,000

* Data provided by Chemvicon



Bacteria



High adsorption surface area

Capable of adsorbing 12,000 L of drug vapors

Redefining Safety with Chemfort® CSTD

Your Safety Our Priority

Simplivia's Trusted CSTD for Nurses



A Unique and Safe Product Line for Nurses and Patients

When administering hazardous drugs, nurses need to protect themselves. Simplivia has perfected its Chemfort® preparation and compounding portfolio by designing a unique nurse product line.

Chemfort® Closed Administration ensures a safe, closed connection that reduces the risk of hazardous drug exposure.

Chemfort® Closed Administration is brilliantly simple and cost-effective, designed to be intuitive, requires minimal training, and compatible with administration protocols.

Chemfort® Closed Administration is universal and fits any protocol with all known hazardous drugs



Closed Adaptor SP

Bag Adaptor CP

Closed Y Inline Set

Closed Secondary IV Set

We are committed to delivering unmatched quality, service and confidence



About Simplivia

Simplivia is a rapidly growing global leader and manufacturer specializing in advanced drug delivery solutions, from compounding to administration, focusing on the safety of patients and healthcare professionals when handling hazardous drugs.

Quality and simplicity are our leading values, and we are dedicated to delivering innovative, unique, high-quality products.

Our cost-effective products are scientifically validated FDA-cleared and CE-marked. Simplivia has a worldwide distribution presence for our strong product lines. With a robust distribution network spanning over 33 countries, we bring cutting-edge solutions to healthcare professionals worldwide.

At Simplivia, quality, innovation, and simplicity are our leading values. What we do makes a difference.



When Healthcare & Simplicity Click

To find out how Simplivia can keep your healthcare professionals safe, contact us at: info@simplivia.com | simplivia.com