

# Ecoflac® plus

The solution for Pharmacy and Drug Admixture



Basic Care

# Ecoflac® plus

The solution for Pharmacy and Drug Admixture

Pharmacies and wards need to admix numerous drugs quickly and easily whilst avoiding sharps injuries and contamination.

Ecoflac® plus is a self collapsing IV container that is PVC/DEHP free and compatible with a variety of needle-free admixture devices.

There are three pre-filled varieties available in 100 mL:

- Sodium Chloride 0.9%
- Glucose 5%
- Water



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## Solution identification

### B. Braun safety labels

Incorrect drug selection is a common dispensing error which may be caused by similar drug labels/packaging.<sup>1</sup> Errors and irregularities in IV drug preparation and administration can have a broad range of consequences ranging from harmless to fatal.<sup>2</sup>

B. Braun has developed a labeling concept to help reduce the risk of medication errors caused by look-alike labels. Developed together with clinical experts, the concept enables a strong visual differentiation between different solutions by using **color codes** and **large sized text**.

EAN barcode and/or data matrix codes are also used to allow easy scanning and the accurate recording of the variable information on the labels.



### References

1. Williams DJP (2007) Medication errors. *J R Coll Physicians Edinb* 2007; 37:343–346
2. Valentin A, Capuzzo M, Guidet B, Moreno R, Metnitz B, Bauer P et al. (2009) Errors in administration of parenteral drugs in intensive care units: multinational prospective study. *BMJ* 338:b814. doi:10.1136/bmj.b814.
3. Quality Labs (2013) Closed System Test Report – Ecoflac® Connect
4. Tissot E, Cornette C, Limat S, Mourand J, Becker M, Etievent J et al. (2003) Observational study of potential risk factors of medication administration errors. *J Qual Improve* 25(6):264–68
5. Vogel Kahmann I, Bürki R et al. (2003) Incompatibility reactions in the intensive care unit. Five years after the implementation of a simple “color code system”. *Anaesthetist* 52(5): 409–12

# Ecoflac® plus

High compatibility with needle-free admixture devices

Ecoflac® plus is compatible with a variety of needle-free admixture devices, to make the drug admixture simpler, quicker and safer.



**Ecoflac® Mix** is a transfer cap for admixing pharmaceuticals between Ecoflac® plus containers and standard size medication vials. It provides a stable connection between the container and the vial and is designed to be used with Ecoflac® plus.

Dedicated needle-free transfer devices such as Ecoflac® Mix and Ecoflac® Connect have been designed specifically to be used in combination with Ecoflac® plus.



**Ecoflac® Connect** is a needle-free closed system admixture device for single-dose medication vials. As a closed system, it aims at reducing contamination of medication and healthcare professionals exposure to potentially toxic medication.



## Benefits

- High compatibility with needle-free admixture devices to prevent sharp injuries
- Standing container facilitates drug transfer
- Closed system transfer devices minimise the risk of microbiological and chemical contamination
- Reduced steps needed for drug admixtures



Easy Disposal of a 100% Recyclable Container



By choosing **PVC-free** products such as Ecoflac® plus, you can help eliminate potential toxins and other safety hazards that could affect your staff, your patients and the environment.



### No toxic emissions

Ecoflac® plus container is made of polyethylene which, like all hydrocarbons burns cleanly. When incinerated, the container biodegrades completely and residue-free into the natural elements of our environment, water (H<sub>2</sub>O) and carbon dioxide (CO<sub>2</sub>).



### Low amount of waste and 100% Recyclable

Unlike most flexible bags, Ecoflac® plus containers have no outer packaging so they produce a lower amount of waste. It is also much lighter than glass containers. No additives are added for the production of the container.

# Ecoflac® plus

## Benefits to Pharmacists and Patients



### High drug compatibility

Ecoflac® plus is made of a pure medical grade polyethylene (PE) which is chemically inert and toxicologically safe. It is compatible with a large number of pharmaceuticals.



### Integrated hanger

Ecoflac® plus can support itself during infusion with its large integrated hanger.



### Safety Labels

The use of color and large text on the label helps to identify critical information easily. This can help prevent medication errors caused by incorrect drug selection<sup>45</sup> and increase patient safety.



### Ergonomic design

The container is light weight and designed for optimal handling. Its shape allows it to be held securely and it is virtually unbreakable so even when dropped by accident, there is no broken glass or spillage.



### Needle-free admixture devices

A variety of needle-free admixture devices can be used with Ecoflac® plus for the prevention of sharp injuries. A closed system transfer device minimises the risk of microbiological and chemical contamination.



### Two separate ports

The two separated and identical ports can be used for either drug admixture or delivery. There is no additional step required to identify the points for injection and infusion.



### Spiking

The container standability allows easy spiking, preventing sharps injuries during insertion. The properties of the resealable port membrane also prevent coring of elastomeric particles when pierced.



### Large neck ring

The ring area around the port is made of a puncture-resistant plastic to help prevent needlestick injuries or piercing of the container when a needle is used. The port material is chemically inert to avoid any drug interaction.



### Tight connection

Once inserted, the spike stays firmly connected to the container, avoiding risk of accidental disconnection.



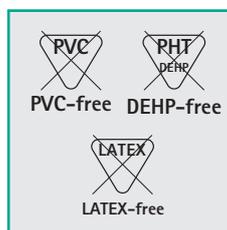
### No disinfection needed

The two ports are kept germ-free until removal of the two sealant aluminum foils. Disinfection of the ports is not required before use. The absence of the protective foils becomes evidence of the used port.



### Compatible with all Common IV sets

The port is universally compatible with all common IV administration set spikes. Intrafix® SafeSet is B. Braun's IV set for infusion therapy. It is also free of DEHP.



### PVC, DEHP and Latex free

Free of PVC to avoid errors in dosage due to adsorption of the drug to the container material. DEHP-free with no additives or compounds that may potentially migrate during preparation. Latex-free for prevention of allergic reactions.

# Ecoflac® plus

## Ordering Information and Compatibility Resource

Description	Size	Box Qty	Code
Ecoflac® plus Water	100 mL	20	3521420
	500 mL	10	3521440
	1000 mL	10	3521450
Ecoflac® plus Glucose 5%	100 mL	20	3521311
	250 mL	10	3521290
	500 mL	10	3521265
	1000 mL	10	3521273
Ecoflac® plus Sodium Chloride 0.9%	50 mL	20	3521330
	100 mL	10	3521303
	250 mL	10	3521281
	500 mL	10	3521222
	1000 mL	10	3521230
	Ecoflac® plus Hartmann's Solution	500 mL	10
1000 mL		10	3521257
<b>Needle-free admixture devices</b>			
Ecoflac® Mix	-	250	16401
Ecoflac® Connect	-	50	4090550



**ConComp database** is a resource for all your compatibility questions on IV drugs, container materials and IV solutions.

It is user friendly and accessible for free to all registered medical professionals. Data is supplied as abstracts taken from hundreds of original publications and internal research.

For further details, please contact your local B. Braun representative or visit our website: [www.concomp-partner.com](http://www.concomp-partner.com)



**PBS Information: This product is not listed on the PBS.**