



**ECOBULK FOODCERT + DUALPROTECT**  
The highest packaging safety  
for your food products

# The world's most successful IBC system – now with dual protection!

Convenient, safe and cost saving –  
the new **ECOBULK FOODCERT + DUALPROTECT** offers  
persuasive benefits along the entire supply chain.

Delivered “ready-to-fill” for the highest safety and maximum  
ease-of-use. This packaging perfectly complies with  
the highest safety and cleanliness specifications  
in the food, pharmaceuticals and skincare segments.

The irradiated liner inside the inner bottle  
forms an effective additional, independent barrier.  
This gives your filling product dual protection!



In the standard configuration the container  
is filled from below through the outlet valve.  
Optionally, the container can also be filled from  
above using the filling opening.



With the ECOBULK FOODCERT + DUALPROTECT you can rule out contamination risks and extend the shelf-life of your products. At the same time you benefit from maximum process and transport safety.



#### Germ reduction

- The liner, including the outlet valve, is treated with an average dose of minimum 15 kGray.

#### Availability

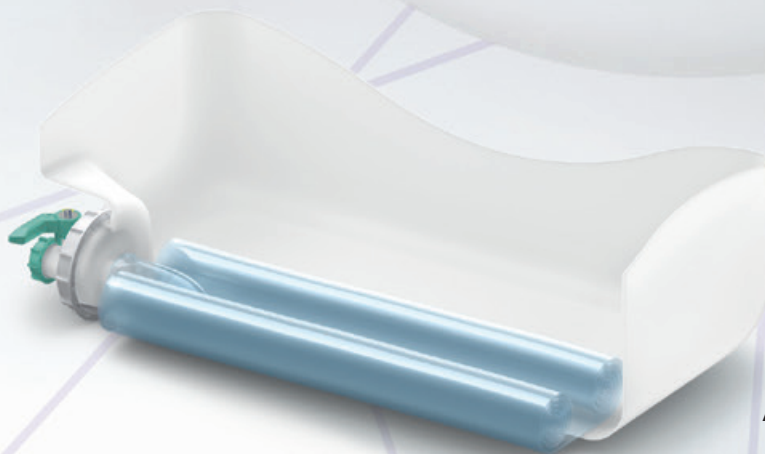
Available for all 1,000 litre MX models

#### Protection against contamination

The liner successively unfolds, thus reducing contact between the filling product and the surrounding atmosphere to an absolute minimum: **99 % less oxygen exposure in comparison with a standard IBC**

#### HDPE outer container

- Highly resistant to chemicals
- Excellent mechanical properties
- Barrier against water vapour
- Optionally available with light and UV protection



#### Leakage protection

Secure additional protection against filling product leakage – even if the integrated liner is damaged

#### Outlet valve

- DN 50 standard
- Optionally available in other versions (e.g. Camlock or DN 50 hygienic union fitting according to DIN 11851)

#### Filling opening

- DN 225 screw cap used as standard for the inner bottle

#### Approvals

- FSSC 22000 for the highest food safety
- UN 1.9 hazardous goods approval

#### Integrated liner

High-quality LDPE film for the highest impermeability, cleanliness and mechanical resistance, including a permeation barrier against oxygen

- The liner automatically unfolds and aligns during filling



# The packaging system for maximum quality protection with minimum effort.

**SCHÜTZ ECOBULK** offers economic and environmental advantages and can be used world-wide along the entire supply chain without requiring any administration.

**With FOODCERT + DUALPROTECT** we are again expanding our spectrum of applications by adding an ultra-hygienic application.





## Benefit from additional advantages:

- The packaging is delivered **“ready to fill”**, i.e. it is not necessary to vapour-treat the inside or spend time inserting an liner.
- When connecting for first-time filling, the front area around the outside of the closed outlet valve can be **vapour-treated**.
- In contrast to multiple-use systems, there is **no risk of contamination** caused by residues of previous filling products.
- By **filling into the integrated liner** the general risk of contamination for the filling product is further minimised.
- The **oxygen barrier** in the liner provides additional protection against oxidation, vitamin degradation and microbial contamination.
- The **shelf-life of the product** is extended and consistent quality is assured from filling to discharge.
- The liner **prevents** changes to the filling product caused by exposure to the air – e.g. **skin formation or hardening**.
- **Nitrogen blanketing**, which is necessary when using other types of containers, is **not required**.
- There is **no risk** of the filling product coming into contact with the **condensate** that can form inside the inner bottle.
- The SCHÜTZ packaging system is highly robust – the **UN approval for hazardous goods** also applies to the variant with the liner.



**ECOBULK FOODCERT + DUALPROTECT** are suitable for all standard filling systems and processes, including filling and emptying under maximum hygienic conditions and the use of pump systems. The closed outlet valve can be pre-treated using vapour.



**Filling from below\***

The filling pipe is connected to the standard outlet valve of the IBC. The integrated liner unfolds automatically as the container is filled. The air in the inner bottle is vented by opening the screw cap.

\* Optionally, the container can also be filled from above using the filling nozzle in the liner. Standard filling opening: ELPO 1" or ELPO 2", other variants available on request.

# Easy and safe handling from filling to emptying.

## Handling & Transport

After filling, the outlet valve or the screw cap of the ECOBULK is closed and sealed, if necessary. SCHÜTZ containers are suitable for all standard handling systems. They have ISO container-compliant dimensions, offer perfect stackability and are ideal for use in high racking warehouses. The filled IBCs are loaded and transported in accordance with standard procedures.

## Emptying

As a rule, the container is emptied gravimetrically, easily and safely through the outlet valve, which is firmly attached to the liner and the inner bottle of the IBC. For liquids with a watery consistency this method achieves almost complete emptying without any other measures being required.



For more viscous filling products the cap nut can be loosened and the liner and the outlet valve can be carefully pulled out of the container in order to empty it completely.



Our global network of service locations handles the fast collection and environmentally-friendly reconditioning of the empty containers including liners. After registering for free and without obligation all the customer needs to do is order the collection online, through the app, by e-mail or phone.

Convenient, safe and cost saving –  
discover the many benefits of the new  
**ECOBULK FOODCERT + DUALPROTECT**  
compared with other types of packaging



Stainless steel  
multiple-use  
systems

IBCs with  
anti-microbial  
additives

IBCs with a  
Flexibag and  
inliner

Folding plastic  
boxes with inliner

Folding cardboard  
boxes with inliner

READY TO FILL	The inside of the container has a significantly reduced germ count when delivered, and no vapour treating or similar measures are needed	✓	✗	✗	✓	✓	✓
	When delivered, the packaging offers a high degree of germ reduction	✓	✗	✗	✓	✓	✓
	The packaging requires absolutely no assembly, no cleaning, no setting up and no liner installation	✓	✓	✓	✓	✗	✗
	The inside of the container is guaranteed to be clean and free of residues from previous products	✓	✗	✓	✓	✓	✓
PROTECTION FOR THE FILLING PRODUCT	Excellent barrier characteristics / protection against oxygen and water vapour permeation	✓	✓	✗	✓	✓	✓
	Highest level of contamination protection thanks to minimum exposure to the surrounding atmosphere	✓	✗	✗	✓	✓	✓
	Effective protection against skin formation and hardening caused by exposure to oxygen	✓	✗	✗	✓	✓	✓
	Longer shelf-life	✓	✗	✗	✓	✓	✓
SAFETY	Container has UN approval for use with hazardous goods	✓	✓	✓	✗	✗	✗
	Highest level of leak safety thanks to additional leakproof exterior container	✓	✗	✗	✗	✗	✗
	Robust exterior can resist damage caused by handling and exposure to the elements	✓	✓	✓	✗	✓	✗
FILLING & EMPTYING	No gas blanketing required to minimise contact with the surrounding atmosphere	✓	✗	✗	✓	✓	✓
	The container can be filled from below or above, depending on the process specifications	✓	✓	✓	✓	✓	✓
	The outlet valve can be vapour-treated for filling and discharge	✓	✓	✓	✓	✓	✓
	Simple, safe discharge thanks to a fixed outlet valve	✓	✓	✓	✓	✓	✓
SUSTAINABILITY	Completely administration-free with no pool management, tracking, collection, cleaning or disposal required	✓	✗	✓	✓	✗	✗
	Low tare weight and designed to make maximum use of space during transport and storage	✓	✗	✓	✓	✓	✓
	Global collection service for environmentally-friendly reconditioning	✓	✗	✗	✓	✗	✗