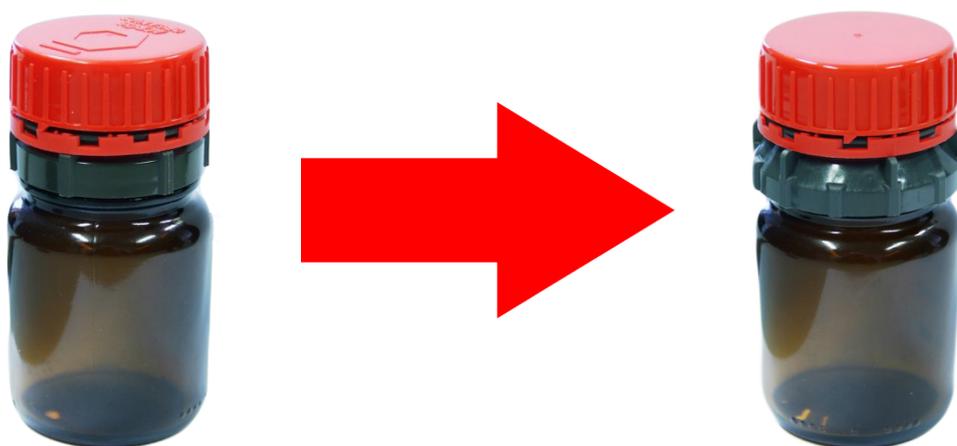


Improved AcroSeal Packaging Frequently Asked Questions

The design of the lower (dark gray) collar section of the AcroSeal™ system is changing to facilitate a better user experience. The Acros Organics logo has also been removed from the red cap as both Acros Organics and some Alfa Aesar products are now available packaged in AcroSeal.



Why are we making these changes?

The redesigned gray portion of the sealing system makes it both easier to remove the whole system and replace it back on the bottle. No special tool is required for removal or replacement.

It also makes it more difficult to accidentally unscrew the whole sealing system.

Why is it important that the whole sealing system can be removed?

In use, removal of the whole system allows customers that need higher volumes of dry solvent to bypass the usual method of multiple needle and syringe extractions and simply decant from the bottle in dry conditions (i.e. in the fume hood). It is then essential that the complete system can be securely replaced to prevent wastage. Again the new system makes this easier.

After use, the new design also allows for ease of recycling, which often requires separation of the glass bottle from the plastic section.

How has it been made more difficult to accidentally remove the whole system from the bottle?

There is now a clear distinction in the system between the red cap to be removed for 'regular' use and grey collar.

A second tamper evident ring has been added to protect against accidental removal as the second seal must be deliberately broken to remove the whole gray collar and red cap as one.

Is there a change to the septum?

No, the septum is not changing.

When will customers see the new cap on their products?

Products will begin shipping with the new AcroSeal cap in small numbers during late July and August.

The first products featuring the new cap will be the deuterated products, followed swiftly by the most popular organometallics and reagents in solution.

The dry solvent products will begin shipping with the new cap later in the year.

Top Tips for Using AcroSeal Packaging

To get the best results using AcroSeal packaging, we recommend the following process:

1. Puncture the septum
2. Withdraw the required amount
3. Replace the nitrogen blanket
4. Store upright to prevent prolonged product contact with the seal

Advanced tips:

1. Prepare the nitrogen balloon in advance and use two balloons, one inside the other
2. Purge the doubled balloons with nitrogen three times before use
3. Bend the needle as it makes it easier to use and control
4. Flush each needle and syringe with nitrogen three times before use
5. Use the reaction flask to flush the syringe and needle prior to use



To get the best results from the septum, we recommend you use 18 to 21 gauge needles and puncture in a clock face pattern to avoid piercing the septum in the same place.

If you require a large amount of solvent remove the whole cap under an inert atmosphere and decant the desired amount of product from the bottle.

For further tips on how to use AcroSeal packaged products, view our demonstration video at [acros.com](https://www.acros.com).

In conclusion, AcroSeal packaging offers a superior advantage for your organic synthesis by providing quality products, saving you time and keeping you safer!



Alfa Aesar

Find out more at www.thermofisher.in/chemicals

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