



Desiccant Washers & Inserts

Purpose

To prevent moisture damage in pharmaceuticals, nutraceuticals and powdered formulations in cases where a loose desiccant within the packaging is not desired.

What are they?

Süd-Chemie's line of desiccant washers and inserts provides an alternative to loose desiccants within product packaging.

Desiccant inserts are small components filled with desiccant designed to rest in the screw-on caps of bottle containers, including those designed with tamper-evident and child-resistant features.

Desiccant washers are small, removable components filled with desiccant designed to rest in the neck of a pharmaceutical bottle.



Desiccant inserts can be snapped into the caps of pharmaceutical bottles.

Typical applications:

- ✓ Pharmaceuticals
- ✓ Nutraceuticals
- ✓ Powdered formulations



Desiccant washers and inserts are ideal for use when the presence of a loose desiccant inside product packaging is not desired.



Desiccant washers are designed to rest in the neck of pharmaceutical bottles and can be easily removed by end users.

Why use them?

Pharmaceutical, nutraceutical and powdered formulations can deteriorate in quality and efficacy when exposed to moisture. However, inserting a loose desiccant into the packaging of these products is not always an option. Space constraints, potential confusion among consumers, and the possibility that a desiccant may interfere with the product's performance once opened can all make the use of drop-in desiccants like canisters and packets difficult.

Desiccant inserts fit tightly within container caps, eliminating concerns about customer confusion, mistaken usage or accidental ingestion. Desiccant inserts also maximize packaging efficiency by eliminating the cost and process of inserting desiccants into the packaging itself. They allow manufacturers with multiple product lines to control the products they desiccate simply by placing an insert into the cap of the products requiring moisture protection.

Süd-Chemie Australia
ABN: 55 069 335 208
12 Peachtree Rd
Penrith NSW 2750

P: +61 2 47321421
F: +61 2 47321678
E: info.australia@sud-chemie.com
www.sud-chemie.com.au

SÜD-CHEMIE
CREATING PERFORMANCE TECHNOLOGY





Desiccant Washers & Inserts

Because **desiccant washers** can be easily removed upon opening, they are especially useful in protecting powdered pharmaceutical products, which require protection from moisture only until being reconstituted by the end user. In this case, the desiccant washer would be removed, water added to the bottle, the original closure replaced and the product mixed. The desiccant washer ensures that the powdered formulation will remain safe from moisture, while also eliminating the possibility that the presence of a drop-in desiccant would interfere with the integrity of the product once mixed. A version of the washer can even be used in bottles with an induction seal, allowing manufacturers to easily incorporate the solution into their overall packaging program.



A desiccant insert is snapped into a screw-on bottle cap.

Available configurations

Desiccant washers and inserts can be customized to meet customer needs. Additionally, desiccant inserts are available in the following standard sizes:

Size (mm):	Fill amount (g):	Fits cap size (mm):
25.5	0.85	27 to 28
25.5	1.1	27 to 28
28.5	1.2	30 to 31
31.7	0.72	33 to 34
31.7	1.25	33 to 34
28.7	1.4	30 to 31



The desiccant washer can be easily inserted into the neck of a pharmaceutical bottle.

**The standard desiccant fill is activated silica gel, but other desiccant fills are available.*

Süd-Chemie Australia
ABN: 55 069 335 208
12 Peachtree Rd
Penrith NSW 2750

P: +61 2 47321421
F: +61 2 47321678
E: info.australia@sud-chemie.com
www.sud-chemie.com.au

SÜD-CHEMIE
CREATING PERFORMANCE TECHNOLOGY

