

WHITE PAPER

Chemispill® Laboratory absorbents



Sometimes in our daily work in the laboratory unexpected spillages happen, with the associated risk or danger for those in the surrounding area. These spillages may cause serious health risks, produce bad odours, damage laboratory material, etc.

With our Chemispill® range, products with high neutralization and absorption capabilities, you will be able to clean up and safely dispose of any kind of laboratory spillage with maximum security and reliability.



Chemispill® range, safety in your laboratory

- ▶ **Chemispill® Sorb**, for organic solvents, neutral aqueous solutions, oily spillages, etc.
- ▶ **Chemispill® H+**, for common acid spillages in the lab
- ▶ **Chemispill® OH-**, for any alkali spillage in the lab

Chemispill® Sorb (AB0002)

General-use absorbent, for an efficient, safe absorption of unexpected spillages.

Highly absorbent white, versatile material with a very low density, capable of absorbing any liquid without leaving marks.

300 grams absorb 2,5 litres of spillage (a conventional laboratory bottle). The smallest packaging contains 400 g of product and the largest 4 kg.

Material that is easy to clean up and dispose of.

Does not produce residual dust.

One Chemispill® Sorb flask (400 g) absorbs:

> 3,5 l de Acetone

> 3,5 l de Hexane



Chemispill® H+ (AB0001)

Pale yellow absorbent material with high neutralisation capacity of acid spillages in any concentration.

It contains a pH indicator shifting from bright red (acid) to yellow (neutral) to visually distinguish full spillage neutralisation (see images below).

The indicator does not contain phenolphthalein, recently declared carcinogenic.

Easy to clean up, does not produce residual dust.

Do not use with hydrofluoric acid.



One Chemispill® H+ flask (2 kg) neutralises:

> 1 l of H₂SO₄ conc.

> 2,5 l of HNO₃ conc.

> 3 l of HCl conc.



Chemispill® OH- (AB0003)

Reddish absorbent material with high neutralisation capacity for basic spillages in any concentration.

It contains a pH indicator shifting from deep blue (alkali) to yellow (neutral) to visually distinguish full spillage neutralisation (see images below).

The indicator does not contain phenolphthalein, recently declared carcinogenic.

Easy to clean up, does not produce residual dust.

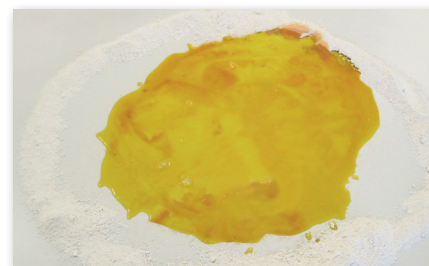
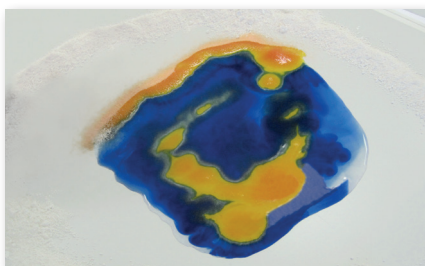


One Chemispill® OH- flask (2 kg) neutralises:

> 4 l of NH₃ 25% (p/p)

> 3 l of KOH 50% (p/v)

> 2 l of NaOH 50% (p/v)



Absorption and neutralisation speed

The Chemispill® range absorbs and neutralises efficiently any kind of spillage, with a quick colour shift in acid/alkali solutions. In a 15-30 seconds range you will be able to see how quickly the spillage acidity/basicity is neutralised by the Chemispill® H+/OH-.

Degree of absorption and neutralisation

Chemispill® is the laboratory absorbent range with the best specifications on the market. Currently, it is the product with the best absorption and/or neutralisation capacity for laboratory spillages.

The following table quantitatively summarises (ml spillage / g absorbent) the absorption/neutralization capacity of the Chemispill® absorbents, compared to its competitors (according to specifications).

Brand	General absorbent		H+ Neutraliser		OH- Neutraliser	
	ml/g	l/packaging	ml/g	l/packaging	ml/g	l/packaging
SCHARLAU	8,97	3,58	0,51	1,02	1,14-1,60	2,28-3,20
Competitor 1	2,5	2	0,3	1,5	1	5
Competitor 2	1-2	0,5-1	0,25-0,29	0,50-0,58	1-2	1-2
Competitor 3	1,9	1,9	No data	No data	No data	No data
Competitor 4	0,22	0,24	0,22	0,7	0,39-0,55	0,47-0,66

The following table qualitatively summarises the aforementioned data.

Brand	Absorbente general	H+ Neutraliser	OH- Neutraliser
SCHARLAU	Excellent	Excellent	Excellent
Competitor 1	High	High	Medium
Competitor 2	Medium	Low	Medium
Competitor 3	High	No data	No data
Competitor 4	Very low	Low	Low

Manoeuvrable packaging

When a chemical spillage happens in a laboratory, people's safety and physical integrity in the surrounding area are fundamental. In addition to its unique absorption/neutralisation capacity, Chemispill® offers its products in an ergonomic, light packaging that is easily carried. Each moment lost in taking the absorbent to the spillage area generates an additional danger/risk.

We have designed a manoeuvrable, light cubic flask, to be easily used by costumers. In an emergency, a light and transportable packaging benefits the safety of all the people in the laboratory.

Ordering information

Art. No.	Description	Packaging
AB00012000	Chemispill® H+	2 kg
AB0001005P	Chemispill® H+	5 kg
AB00020400	Chemispill® Sorb	400 g
AB00021000	Chemispill® Sorb	1 kg
AB00024000	Chemispill® Sorb	4 kg
AB00032000	Chemispill® OH-	2 kg
AB0003005P	Chemispill® OH-	5 kg

The table at the left shows the amount of product for each of the Chemispill® products.

Our flasks have a large opening (internal diameter of 7 cm) to pour the material quickly and easily.

Spills Kit Chemispill® (AB0004-KIT)

Complete safety Kit against laboratory spillages. Delivered in a comfortable and smart easy-to-handle case. The suitcase is light and transportable, to move all the safety elements quickly and easily to the spillage area. It is highly recommendable that each laboratory has at least one safety Kit in each room/department.

The Spills Kit Chemispill® contains:

- Chemispill® Sorb (AB00020400)
- Chemispill® H+ (AB00012000)
- Chemispill® OH- (AB00032000)
- Scharlau nitrile gloves (GLV-NSP00L)
- Safety glasses (387SF201AF)
- Residue plastic bags
- Scratching spatula
- Brush and dustpan
- How-to-use instructions



Chemispill® safety shelf (AB0005ESTA)

In addition to the Kit, we offer our Chemispill® safety shelf, to have our full range of absorbents hanging on your laboratory wall, with all the additional accessories.

Scharlab S.L.
Gato Pérez, 33. Pol. Ind. Mas d'en Cisa.
08181 Sentmenat, Barcelona, Spain
Tel.: +34 93 715 19 40 - Fax: +34 93 715 27 65
E-mail: helpdesk@scharlab.com

Scharlab Italia S.r.l.
Via Alcide De Gasperi 56.
20070 Riozzo Di Cerro al Lambro (Mi), Italy
Tel.: +39 02 9823 0679 / +39 02 9823 6266
Fax: +39 02 9823 0211
E-mail: customerservice@scharlab.it

Scharlab Philippines, Inc.
4/F Unit K, No. 35 Sto. Niño Street corner Roosevelt Ave.
Barangay San Antonio, Quezon City 1105, Philippines.
Phone - Fax: +63 2 529 5726
E-mail: infophilippines@scharlab.ph

Scharlab Brasil SA
Estrada do Campo Limpo, 780
São Paulo
Tel.: (11) 5512 5744 - Fax: (11) 5511 9366
E-mail: scharlab@scharlab.com.br

Download here the leaflet:



WPSPLEN19