

# Chemizorb® absorbents

The fast, safe and easy way to clear up chemical spills

Accidents happen in every lab at any time. With Chemizorb® absorbents, you can clear away aggressive or unpleasant spilled liquids quickly and safely. Our fast-acting absorbents consist of porous mineral or synthetic copolymers that are chemically inert, and capable of absorbing up to 400% of their own weight.

## Your benefits:

- Easy dosing due to the wide bottle neck
- Clear process monitoring
- Bright red bottle stands out among other HDPE bottles



## Learn more

For further products and information and the current brochure "Soak it up", please visit [SigmaAldrich.com/chemizorb](https://SigmaAldrich.com/chemizorb)

### The »all-rounders« - quick help for multiple spillages

Chemizorb® powder and granule absorbents are insoluble in water and in all other media that are liquid at room temperature. These "all-rounders" are suitable for removing nearly all kinds of aqueous spills, such as acids, alkalis and solvents.



Chemizorb® powder	Content	Packaging	Ord. No.
Chemizorb® powder absorbent for spilled liquids	500 g	HDPE bottle	1.02051.0500
	25 kg	Fibre carton	1.02051.9025
Chemizorb® granules	Content	Packaging	Ord. No.
Chemizorb® granules absorbent for spilled liquids	1 kg	HDPE bottle	1.01568.1000
	5 kg	Bucket, plastic	1.01568.5000
	20 kg	Paper sack	1.01568.9020
	20 kg	PE drum	1.01568.9021

### The »specialists« - make use of our experience

We offer specific absorbents for alkalis, acids, and hydrofluoric acid. Each contains special carrier materials and water-soluble neutralizers, as well as pH indicators that help you visually monitor the neutralization of the spilled chemicals. Please note that the reaction may generate heat and gas.

Chemizorb® OH <sup>-</sup>	Content	Packaging	Ord. No.
Chemizorb® OH <sup>-</sup> absorbent and neutralizer for spilled alkalis, with indicator	1 kg	HDPE bottle	1.01596.1000
Chemizorb® H <sup>+</sup>	Content	Packaging	Ord. No.
Chemizorb® H <sup>+</sup> absorbent and neutralizer for spilled acids, with indicator	2 kg	HDPE bottle	1.03874.2000
	5 kg	Bucket, plastic	1.03847.5000
Chemizorb® HF	Content	Packaging	Ord. No.
Chemizorb® HF absorbent and neutralizer for spilled hydrofluoric acid, with indicator	1 kg	HDPE bottle	1.01591.1000

### The »all-in-one« set for mercury

Chemizorb® Hg kit Mercury is an all-inclusive set of reagents and auxiliaries for safe and complete removal of mercury drops and traces of elementary mercury. The reagents in the set are sufficient for decontaminating an area of roughly one square meter.

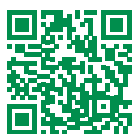


Chemizorb® Hg	Content	Packaging	Ord. No.
Chemizorb® Hg Reagents and accessories for absorbent for mercury	1 set	PE case	1.12576.0001
1 set consisting of: 500 g of reagent 1, 100 ml of reagent 2, one small tub, one large disposal can, protective gloves ...			
Chemizorb® Hg reagents refill pack for Cat. No. 1.12576.0001	1 set	PE can	1.01569.0001
1 set consisting of: 500 g reagent 1 and 100 ml reagent 2			

# Drying Agents

## Optimize desiccation with absolute reliability

Our Drying agents (desiccants) are developed, produced and rigorously tested to ensure optimal drying processes, whether in the laboratory, during storage, or for transportation. Our comprehensive portfolio offers user-friendly solutions for a wide range of applications – from drying gases, liquids or solids using static or dynamic drying processes, to protecting sensitive goods and materials from moisture, mold or corrosion. Regardless of your application, you can always expect reliable, reproducible results. Because, at MilliporeSigma, **consistency is our standard.**



**Learn more:** The following pages present a selection of the most important drying agents. For further products, information and the Drying Agents brochure, please visit [SigmaAldrich.com/drying-agents](https://SigmaAldrich.com/drying-agents)



**Safety information:** Dangers of silica gel with blue indicator According to the European Chemicals Agency (ECHA), cobalt dichloride ( $\text{CoCl}_2$ ) is a substance of very high concern (SVHC), which is classified as carcinogenic and toxic for reproduction\*. This hazardous inorganic compound is present in silica gel containing blue indicator. When working with the desiccant, any dust particles emitted may be easily inhaled, posing serious health hazards. To protect users from these risks, we offer a broad range of non-toxic silica gels, which are based on iron-salt instead of cobalt dichloride indicator. Explore our safe and reliable silica gels.

\*Source: ECHA "Candidate List of Substances of Very High Concern for Authorization"



### Your benefits

- Safety: We strictly avoid the use of carcinogenic blue gel to **protect your health.**
- Economical: Optimal protection of goods, equipment or substances avoids replacement costs; **recoverable drying agents** can be used longer to reduce expenses.
- Reliability: **Effective moisture reduction** helps maintain your product's original condition, and ensures accurate results

# Drying Agents

Optimize desiccation with absolute reliability



Calcium chloride [CaCl <sub>2</sub> ]	CAS No.	Content	Packaging	Ord. No.
Calcium chloride anhydrous powder Reag. Ph Eur	10043-52-4	500 g	HDPE bottle	1.02378.0500
		2.5 kg	HDPE bottle	1.02378.2500
		25 kg	Fibre carton	1.02378.9025
Calcium chloride anhydrous, granular ~ 1–2 mm	10043-52-4	1 kg	HDPE bottle	1.02379.1000
		5 kg	HDPE bottle	1.02379.5000
		25 kg	Fibre carton	1.02379.9025
Calcium chloride anhydrous, granular ~ 2–6 mm	10043-52-4	1 kg	HDPE bottle	1.02391.1000
		5 kg	Fibre carton	1.02391.5000
		25 kg	Fibre carton	1.02391.9025
Calcium chloride anhydrous, granular ~ 6–14 mm	10043-52-4	1 kg	HDPE bottle	1.02392.1000
		5 kg	Fibre carton	1.02392.5000
		25 kg	Fibre carton	1.02392.9025



Desiccant sachets [SiO <sub>2</sub> ]	Content	Packaging	Ord. No.
Desiccant sachet 10 g silica gel with humidity indicator (orange gel) sachet: 7 x 9 cm	50 units	Metal can	1.03804.0001
Desiccant sachet 100 g silica gel with humidity indicator (orange gel) sachet: 15 x 14 cm	10 units	Metal can	1.03805.0001
Desiccant sachet 250 g silica gel with humidity indicator (orange gel) sachet: 15 x 20.5 cm	10 units	Metal can	1.03806.0001
Desiccant sachet 3 g silica gel with humidity indicator (orange gel) sachet: 4 x 7 cm	100 units	Metal can	1.03803.0001
	1000 units	Fibre carton	1.03803.0002

► Further desiccant sachets, e.g. 500 g, on request.



**SICAPENT®**  
drying agent



Molecular sieves	CAS No.	Content	Packaging	Ord. No.
Molecular sieve 0.3 nm beads ~ 2 mm <sup>1)</sup> (suitable for use in Karl Fischer titration)	1318-02-1	250 g	HDPE bottle	1.05704.0250
		1 kg	HDPE bottle	1.05704.1000
		10 kg	Bucket, plastic	1.05704.9010
Molecular sieve 0.3 nm beads, with moisture indicator ~ 2 mm <sup>1)</sup>	-	250 g	HDPE bottle	1.05734.0250
		1 kg	HDPE bottle	1.05734.1000
Molecular sieve 0.3 nm rods ~ 1.6 mm (1/16")	1318-02-1	250 g	HDPE bottle	1.05741.0250
		1 kg	HDPE bottle	1.05741.1000
Molecular sieve 0.4 nm beads ~ 2 mm Reag. Ph Eur	1318-02-1	250 g	Glass bottle	1.05708.0250
		1 kg	Glass bottle	1.05708.1000
		10 kg	Bucket, plastic	1.05708.9010
Molecular sieve 0.4 nm beads, with moisture indicator ~ 2 mm	-	250 g	Glass bottle	1.05739.0250
		1 kg	Glass bottle	1.05739.1000
Molecular sieve 0.4 nm rods ~ 1.6 mm (1/16")	1318-02-1	1 kg	HDPE bottle	1.05743.1000
Molecular sieve 1.0 nm beads ~ 2 mm	1318-02-1	1 kg	Glass bottle	1.05703.1000

► 1) Molecular sieves with 0.3 nm bead form (105704) and with indicator brown gel (105734) are suitable for use in Karl Fischer titrators.



Phosphorus pentoxide [P <sub>2</sub> O <sub>5</sub> ]	CAS No.	Content	Packaging	Ord. No.
di-Phosphorus pentoxide extra pure	1314-56-3	1 kg	Glass bottle	1.00540.1000
		25 kg	Plastic drum	1.00540.9025
di-Phosphorus pentoxide for analysis ACS, ISO, Reag. Ph Eur	1314-56-3	100 g	Glass bottle	1.00570.0100
		500 g	Glass bottle	1.00570.0500

Silica gel [SiO <sub>2</sub> ]	CAS No.	Content	Packaging	Ord. No.
Silica gel granules, desiccant ~ 0.2–1 mm	7631-86-9	1 kg	HDPE bottle	1.01905.1000
Silica gel granules, desiccant ~ 2–5 mm	7631-86-9	1 kg	HDPE bottle	1.01907.1000
		5 kg	Plastic bottle	1.01907.5000
		1 kg	HDPE bottle	1.01972.1000
Silica gel with moisture indicator (brown gel) desiccant ~ 1–4 mm	-	5 kg	HDPE bottle	1.01972.5000
		25 kg	Plastic drum	1.01972.9025
		1 kg	HDPE bottle	1.01969.1000
Silica gel with indicator (orange gel), granulate ~ 1–3 mm	-	5 kg	HDPE bottle	1.01969.5000
		25 kg	Plastic drum	1.01969.9025
Silica gel beads, desiccant ~ 2–5 mm	7631-86-9	1 kg	HDPE bottle	1.07735.1000



SICAPENT® drying agent	Content	Packaging	Ord. No.
SICAPENT® drying agent with indicator (phosphorus pentoxide for desiccators) on inert carrier material	500 ml	Glass bottle	1.00543.0500
	2.8 l	Glass bottle	1.00543.2800

# Absorption and Filtration

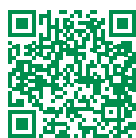
## Quality materials for absorption, adsorption & filtration

Purification is one of the most important applications in analytical laboratories. To ease your daily work, we offer a complete range of absorption and adsorption reagents, as well as filtration and clarification materials – all with excellent take-up properties. Our products are suitable for a wide variety of applications, such as absorbing or binding substances, as well as for decolorization, clarification and filtration. Regardless of the purpose, they deliver quality perfected for your intended use.



### Your benefits

- Reliability: All natural products used are tested for organic impurities, and various anions and cations. The products are specified and offer excellent **batch-to-batch consistency**.
- Convenience: **Comprehensive portfolio** allows successful implementation of a wide variety of purification methods.
- Sustainability: Most of our absorption, adsorption and filtration materials are natural reagents which are **not harmful to the environment**.



**Learn more:** The following pages present a selection of the most important absorption, adsorption and filtration products. For further solutions, information and the "Purification Perfection" brochure, please visit [SigmaAldrich.com/absorption-filtration](https://SigmaAldrich.com/absorption-filtration)



# Absorption and Filtration

Quality materials for absorption,  
adsorption & filtration

Calcium oxide	CAS No.	Content	Packaging	Ord. No.
Calcium oxide from marble small lumps ~ 3-20 mm	1305-78-8	1 kg	HDPE bottle	1.02109.1000
		25 kg	Fibre carton	1.02109.9025

Charcoal activated	CAS No.	Content	Packaging	Ord. No.
Charcoal activated for analysis	7440-44-0	250 g	Metal can	1.02186.0250
		1 kg	Metal can	1.02186.1000
		20 kg	Fibre carton	1.02186.9020
Charcoal activated granular about 1.5 mm extra pure	7440-44-0	1 kg	Plastic bag	1.02514.1000
		5 kg	Fibre carton	1.02514.5000
		25 kg	Fibre carton	1.02514.9025
Charcoal activated powder extra pure	7440-44-0	1 kg	Metal can	1.02184.1000
		5 kg	Fibre carton	1.02184.5000
		20 kg	Fibre carton	1.02184.9020
Charcoal activated pure	7440-44-0	1 kg	Plastic bag	1.02183.1000
		20 kg	Fibre carton	1.02183.9020



**Charcoal  
activated**

► For further solutions, information and the "Purification Perfection" brochure please visit [SigmaAldrich.com/absorption-filtration](https://SigmaAldrich.com/absorption-filtration)

## Glass wool



Glass wool	CAS No.	Content	Packaging	Ord. No.
Glass wool	65997-17-3	250 g	Metal can	1.04086.0250
		1 kg	Fibre carton	1.04086.1000

Sea sand	CAS No.	Content	Packaging	Ord. No.
Sea sand extra pure	7631-86-9	1 kg	HDPE bottle	1.07711.1000
		5 kg	HDPE bottle	1.07711.5000
		25 kg	Fibre carton	1.07711.9025
Sea sand purified by acid and calcined for analysis	7631-86-9	1 kg	HDPE bottle	1.07712.1000
		5 kg	HDPE bottle	1.07712.5000
		10 kg	HDPE bottle	1.07712.9010
		25 kg	Fibre carton	1.07712.9025

Sodalime	CAS No.	Content	Packaging	Ord. No.
Sodalime, granules ~ 1-2.5 mm with indicator for analysis	-	500 g	HDPE bottle	1.06733.0501
		2.5 kg	HDPE bottle	1.06733.2500
Sodalime pellets with indicator for analysis	-	1 kg	HDPE bottle	1.06839.1001
		5 kg	HDPE bottle	1.06839.5001
		25 kg	Fibre carton	1.06839.9025



Calcium oxid



Sea sand