

Sorbacal® products have been developed with care to ensure that they fully meet the requirements of flue gas treatment. Sorbacal® is a registered trademark of Lhoist Recherche et Développement S.A.

www.sorbacal.com

Product information

A high performance, high porosity hydrated lime powder designed to remove gaseous acidic pollutants by dry processes and related methods.

Sorbacal® SP is a dry, white, ready-to-use high surface area very fine powder.

Application areas

- Removal of gaseous acidic pollutants: HCl, SO₂, SO₃, HF, etc.
- Removal of dioxins, furans and heavy metals through the addition of active carbon compounds or specific mineral substances

Methods of Use

- To be used preferably by direct dry injection into the gas stream
- Does not require previous grinding
- Compatible with a wide range of temperatures

CHEMICAL PROPERTIES

Acc. to EN 459-2

		Typical Analysis
Calcium Hydroxide	Ca(OH) ₂	96.00 %
Calcium Oxide	CaO	73 %
Magnesium Oxide	MgO	0.3 %
Silicon Dioxide	SiO ₂	1.00 %
Iron Oxide	Fe ₂ O ₃	0.06 %
Aluminium Oxide	Al ₂ O ₃	0.10 %
Sulfur	S	0.04 %
Carbon Dioxide	CO ₂	2.00 %
Neutralisation Value (CaO Equivalent)		74 %

PHYSICAL PROPERTIES

Grading % retained	
< 32 µm	< 50 %
< 150 µm	< 10 %
Bulk density	ca. 400 kg/m ³
BET specific surface area	40 - 45 m ² /g
BJH porous volume (< 100 nm)	> 0,2 cm ³ /g

Packaging

- Bulk delivered to silos by pneumatic discharge tanker
- Other packaging options available to order

Storage

- Keep away from damp
- Avoid contact with aluminium
- The bags must be stored in a dry place. The silos must be hermetically sealed

Safety data

Lime substances are classified under Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation). Before handling, always read the extended REACH Safety Data Sheet and container labels for safe use, physical and health hazard information of the specific product. Safety data sheet: Calcium dihydroxide REACH Reg. No. 01-2119475151-45-0053



Quality

- Products are manufactured in production plants that are ISO 9001 compliant.