



Minsorb[®] Dx, the non-flammable solution
to remove gaseous organic pollutants



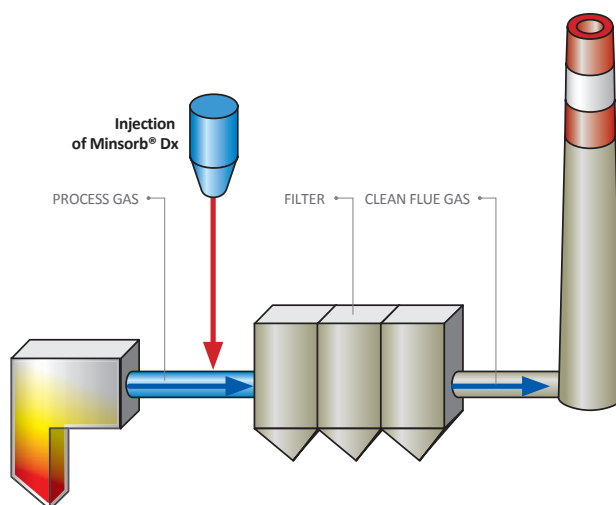
Gas cleaning innovation



Strict standards, specific needs

Compliance with the very low emission limit values (ELV) for PCDD⁽¹⁾, PCDF⁽²⁾, PCB⁽³⁾ and PAH⁽⁴⁾

- achieving high performances at low costs
- reducing odours emission



Ideal complement of **Sorbacal®**, **Minsorb®** offers you an extended solution to your flue gas cleaning systems.

Minsorb® and **Sorbacal®** are the exclusive Lhoist patented mineral-based and calcium-based reagents, respectively.

(1) Polychlorinated dibenzo-dioxins
(2) Polychlorinated dibenzo-furans
(3) Polychlorinated biphenyls
(4) Polycyclic aromatic hydrocarbons



Minsorb[®] Dx, reliable, non-flammable and sustainable

THE ADDED VALUE

COMPLIANCE & RELIABILITY

- Full compliance with regulations
- High performance up to 250°C and more
- No more stoppage due to punctual increase of temperature in the filter

SAFETY

- No risk of ignition
- No ATEX equipments required

COST-EFFECTIVENESS

- Operational costs reduced
- Compatible with standard dry sorbent injection (DSI) equipments, as pure or blended material
- Concrete friendly residues

EASE OF USE

- Neutral, non-irritating, non-corrosive and non-toxic
- Clean & beige powder
- Improved working conditions

More than a reagent: the Lhoist offer

Based on trust and confidentiality, we provide you with tailored solutions. Our flue gas treatment services include know-how, test equipment, Mobile Measurement Units, CFD modeling and laboratory analyses.



EXPERTISE
to provide
reliable and
effective
solutions



REAGENTS
to meet your
specific needs



SERVICES
to assist you in
using reagents
efficiently



Performance

STEEL INDUSTRY EXAMPLE	
Flow rate	1 300 000 Nm ³ /h
Type of filter	Combination of electrostatic precipitators and baghouse filters
Temperature	145°C
Minsorb [®] Dx consumption	150 kg/h ≈ 115 mg/Nm ³ *
Performance	Continuous compliance with the emission limit value

* Performance depends on the type of filter, gas conditions and the dispersion of the product. Injection rates range from 50 to 500 ng/Nm³.

Product range

If acid pollutants (SO_x, HCl, HF) are to be treated, Minsorb[®] can be delivered as a blend with Sorbacal[®] products at any percentage depending on the abatement level of each pollutant and the operating conditions.

REAGENT	REMOVED POLLUTANTS	CONDITIONING
Minsorb [®] Dx	Dioxins/furans, PAH, PCB, odours	Bulk or big bags
Blend: Sorbacal [®] Dx SPS Sorbacal [®] Dx SP Sorbacal [®] Dx H	Dioxins/furans, PAH, PCB, odours and SO ₂ , SO ₃ , HCl, HF	Bulk or big bags

Lhoist, your global partner for flue gas treatment

Lhoist is a multi-national company, expert in lime, dolime and mineral products. The diversity of our product range and our industrial facilities around the world allow the Group to be a key partner in multiple industries and business sectors.



www.lhoist.com
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