



Amorphous Aluminium Hydroxide

CAS No.: 21645-51-2

Chemical Formula: $\text{Al}(\text{OH})_3$

DESCRIPTION

Amorphous Aluminium Hydroxide is a high-purity, chemically precipitated alumina hydrate with low alkalinity and a high specific surface area. Its amorphous structure provides excellent reactivity and solubility in weak acids, making it suitable for use in concrete admixtures, shotcrete accelerators, specialty chemical formulations, and pharmaceutical applications. The product offers consistent quality and reliable performance across a wide range of industrial processes.

KEY FEATURES

- High purity amorphous aluminium hydroxide
- Highly reactive alumina source
- Low alkalinity
- High specific surface area
- Soluble in weak acids
- Suitable for concrete admixtures and shotcrete systems
- Consistent particle performance
- Suitable for industrial and pharmaceutical applications

APPLICATIONS

- Concrete admixtures
 - Shotcrete accelerators
 - Pharmaceutical antacid formulations
 - Reactive alumina source for specialty chemical applications
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TYPICAL SPECIFICATIONS

Parameter	Specification
$\text{Al}(\text{OH})_3$ (%)	≥ 99
SiO_2 (%)	≤ 0.1
Fe_2O_3 (%)	≤ 0.03
Na_2O (%)	≤ 1.0
Specific Surface Area (m^2/g)	14 – 16



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PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

- 25 kg paper bags
- 1000 kg bulk bags (palletised)

STORAGE & HANDLING

Store in a cool, dry place away from direct sunlight and moisture. Keep containers tightly sealed in original packaging when not in use.

SAFETY

Please refer to the relevant Safety Data Sheet (SDS) prior to handling or use of this product.