

## Aluminium Hydroxide (Cas No 21645-51-2)



Aluminium Hydroxide

Molecular Formula  $Al(OH)_3$

Molecular Weight 78.00

CAS Registry Number 21645-51-2

EINECS 244-492-7

Appearance White amorphous powder.

Density 2.4 g/cm<sup>3</sup>, solid.

Melting point 300 °C

Solubility in water Insoluble.

Hazards

MSDS External MSDS

EU classification Irritant (I)

R-phrases R36, R37, R38

S-phrases S26, S36

Flash point Non-flammable.

Related compounds

Other anions None.

Related compounds

Sodium oxide,

aluminium oxide hydroxide.

Basic aluminum hydroxycarbonate hydrate, usable as an antacid, is prepared by simultaneously adding aqueous solutions of aluminum sulfate and alkali hydrogen carbonate or alkali carbonate to water while maintaining a neutral or weakly alkaline pH and adjusting the pH-value of the reaction mixture, after completed precipitation, to about 6.0 by adding an aluminum salt of a strong acid.