

Substance Data Sheet

1. Obligatory substance information

1.1.	Name of substance	Magnesium Hydroxide
1.2.	Raw material supplier	ATK FLAME RETARDANT MATERIALS COMPANY
1.3.	Description of goods	Andimag
1.4.	CAS-No.	1309-42-8
1.5.	EC-No.	215-170-3
1.6.	Production	China
1.7.	Molecular formula	Mg(OH) ₂
1.8.	Purity of batch (e.g. 100% water)	Mass fraction of magnesium hydroxide 99,8%

2. Typical Properties

2.1.	Property / Units	Specification limits
2.2.	Name of substance	Andimag 6
2.3.	Appearance	White powder
2.4.	Mass fraction of magnesium hydroxide, %, min	99.8
2.5.	Mass fraction of volatile substance at 105°C, %, max	0.3
2.6.	Mass fraction of iron (Fe), ppm, not more than	50
2.7.	Mass fraction of calcium (Ca), ppm, not more than	100
2.8.	Bulk density, g/cm ³ , not less than	0.3
2.9.	Specific surface area, m ² /g	4.0-6.0
2.10.	Whiteness, %, min	96
2.11.	Rest by screening 0045 µm % max (method of laser diffraction)	0.1
2.12.	Particle size distribution, µm (laser diffraction method): diameter of 10 % of particles (d 10), max	1.1
2.13.	Particle size distribution, µm (laser diffraction method): diameter of 50 % of particles (d 50), max	1.6
2.14.	Particle size distribution, µm (laser diffraction method): diameter of 90% of particles (d 90), max	3.0