

PRODUCT INFORMATION

SPEC NO. ALU - 01

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Product Aluminium Sulphate 17/18%, technical grade
according to DIN EN 878

Product Description Aluminium Sulphate 17/18% is manufactured by dissolving
aluminium hydroxide in sulphuric acid.

Formula $\text{Al}_2(\text{SO}_4)_3 \cdot 14 \text{H}_2\text{O}$

CAS No. 16828-12-9

Product Specification

| | | |
|--|---------|------|
| Al_2O_3 | 17.0 % | min. |
| Fe_2O_3 | 0.01 % | max. |
| Basicity | 0.5 % | min. |
| Water-insolubles | 0.1 % | min. |
| Heavy metals (As, Cd, Cr, Hg, Pb, Se, Zn) | 0.001 % | max. |

Physical Characteristics

| | | |
|---|---------|------------------------|
| Density (20 °C) | approx. | 1.7 g/cm ³ |
| Bulk Density | approx. | 1000 kg/m ³ |
| Solubility in water (20 °C) | approx. | 600 g/l |
| pH (2 g / 100 ml H ₂ O, 20 °C) | approx. | 3 - 4 |

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| | |
|--------------------|--|
| Grain Sizes | 0 - 2 mm 2 - 8 mm 10 - 30 mm |
| Application | <p>Aluminium Sulphate 17/18% is suitable as an fixing as well as a flocculant agent of rosin size in the paper industry.</p> <p>Aluminium Sulphate 17/18% improves the efficiency of the sizing by adsorbing anionic trash from the system.</p> <p>Aluminium Sulphate 17/18% increases the retention of fibres and fillers which results in the clarification of the circulating water.</p> <p>Aluminium Sulphate 17/18% is used as a precipitant and flocculant in the preparation of potable water as well as in the purification of sewage water.</p> |
| Packaging | Polylined paper bags 25 kgs net., big bags, silo truck |
| Handling | Please see Safety Data Sheet for Aluminium Sulphate solid. National handling regulations should be taken notice of. |
| Note | <p>Any details of application possibilities do not free the purchaser from the obligation of performing his own tests on the material supplied by the seller in order to determine their suitability for the intended processes and purposes. Application, use and processing of the material cannot be controlled by the seller and are thus the sole responsibility of the purchaser.</p> |