

Identification

$\text{Al}_2(\text{SO}_4)_3 \cdot 18\text{H}_2\text{O}$
 M = 666,42 g/mol
 CAS [7784-31-8]
 EC number: 233-135-0
 Taric code: 2833 22 00

Applications

manufacturing of lacquers, manufacture of dyes, in pesticide compositions, for water purifying, in pharma industry.

Specifications

assay (complexometric, $\text{Al}_2(\text{SO}_4)_3$).....	51,0 - 59,0 %	pH (2 %, H_2O).....	2,5 - 4,0
Identification sulfates.....	passes test	alkali and alkaline earth metals	
Identification aluminium.....	passes test		
appearance of solution.....	passes test		max. 0,4 %
		ammonium (NH_4).....	max. 500 ppm
		iron (Fe).....	max. 100 ppm

Physical data

- Appearance: crystals or powder, white or almost white
- Bulk density: ~ 820 kg/m³
- Solub. in water: (20 °C): ~ 600 g/l
- Melting point: 92 °C
- pH(20 g/l H_2O , 20 °C) ~ 2,5 - 4,0

Safety - GHS

Signal Word: Danger

Hazard Statements:

H318: Causes serious eye damage.


Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310: Immediately call a POISON CENTER or doctor / physician.

Transport/storage

- 10°C - 30°C