

Identification

$\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$
M = 241,43 g/mol
CAS [7784-13-6]
EC number: 231-208-1
Taric code: 2827 32 00

Synonyms

Hydrochloric acid aluminium salt hexahydrate

Applications

as gasoline additive, manufacture of dyes, cosmetics, in pharma industry.

Specifications

assay (complexometric).....	95,0 - 101,0 %	sulfates (SO_4).....	max. 100 ppm
assay (complexometric, referred to dried sample)	95,0 - 102,0 %	sulfates (SO_4).....	passes test
Identification aluminium.....	passes test	iron (Fe).....	max. 10 ppm
Identification chloride.....	passes test	alkali and alkaline earth metals	
appearance of solution.....	passes test	max. 0,5 %
		water	42,0 - 48,0 %

Physical data

- Spec. Density: ~ 2,40 g/cm³
- Bulk density: ~ 800 kg/m³
- Solub. in water: (20 °C): 1330 g/l
- Melting point: ~ 100 °C
- pH(50 g/l H₂O, 20 °C) ~ 2,5

Safety - GHS

Signal Word: Warning

Hazard Statements:

H315: Causes skin irritation.
H319: Causes serious eye irritation.

**Precautionary Statements:**

P280: Wear protective gloves / protective clothing / eye protection / face protection.
P264: Wash thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see on this label).
P332+P313: If skin irritation occurs: Get medical advice / attention.
P337+P313: If eye irritation persists: Get medical advice / attention.

Transport/storage

- 10°C - 30°C