

**Zinc sulfate monohydrate, EssentQ®****Identification**ZnSO<sub>4</sub>·H<sub>2</sub>O

M = 179,45 g/mol

CAS [7446-19-7]

EC number: 231-793-3

Taric code: 2833 29 20

**Synonyms**

Sulfuric acid zinc salt monohydrate

**Applications**

synthesis of organic products, in the pharmaceuticals industry, analytical chemistry, laboratory reagent, in galvanotechnia.

**Specifications**

assay (complexometric)..... min. 98 %

pH (5 %, H<sub>2</sub>O)..... 4,4 - 6,0**Physical data**

- Appearance: crystals, white
- Spec. Density: 3,2 g/cm<sup>3</sup>
- Bulk density: ~ 500 kg/m<sup>3</sup>
- Solub. in water: (20 °C): ~ 350 g/l
- Melting point: ~ 740 °C (anhydrous substance)
- pH(50 g/l H<sub>2</sub>O, 20 °C) 4,0 - 5,2

**Safety - GHS****Signal Word:** Danger**Hazard Statements:**

H318: Causes serious eye damage.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H302: Harmful if swallowed.

**Precautionary Statements:**

P280: Wear protective gloves / protective clothing / eye protection / face protection.

P273: Avoid release to the environment.

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.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 9 M7 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Zinc sulfate monohydrate)
- IMDG: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Zinc sulfate monohydrate)
- IATA/ICAO: 9 III • UN 3077 • ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Zinc sulfate monohydrate)
- PAX: 911
- CAO: 911
- 10°C - 30°C