

**Sulfamic acid, EssentQ®****Identification**

HSO<sub>3</sub>NH<sub>2</sub>  
M = 97,09 g/mol  
CAS [5329-14-6]  
EC number: 226-218-8  
Taric code: 2811 19 80

**Synonyms**

Amidosulfonic acid, Sulfaminic acid, Sulfamidic acid, Aminosulfonic acid

**Applications**

analytical chemistry, titrant in volumetric analysis (reference material), for determination of: nitrous acid.

**Specifications**

assay (acidimetric).....	min. 99,5 %	iron (Fe).....	max. 5 ppm
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,001 %
sulfates (SO <sub>4</sub> ).....	max. 0,01 %	nickel (Ni).....	max. 0,001 %
copper (Cu).....	max. 0,001 %	residue on ignition.....	max. 0,05 %
heavy metals (as Pb).....	max. 0,001 %	water (K.F.).....	max. 0,2 %

**Physical data**

- Appearance: humid crystals, colourless or white
- Spec. Density: 2,13 g/cm<sup>3</sup>
- Bulk density: ~ 600 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 213 g/l
- Melting point: 205 °C (decomposes)
- pH(10 g/l H<sub>2</sub>O, 25 °C) 1,18

**Safety - GHS**

Signal Word: Warning

**Hazard Statements:**

- H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H412: Harmful to aquatic life with long lasting effects.

**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.  
P321: Specific treatment (see on this label).  
P332+P313: If skin irritation occurs: Get medical advice / attention.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Transport/storage**

- ADR: 8 C2 III • UN 2967 • SULPHAMIC ACID
- IMDG: 8 III • UN 2967 • SULPHAMIC ACID
- IATA/ICAO: 8 III • UN 2967 • SULPHAMIC ACID
- PAX: 822
- CAO: 823
- 10°C - 30°C