

IdentificationHSO₃NH₂

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 %

identity (IR-spectrum)..... passes test

residue on ignition..... max. 0,3 %

Physical data

- Appearance: humid crystals, colourless or white
- Spec. Density: 2,13 g/cm³
- Bulk density: ~ 600 kg/m³
- Solub. in water: (20 °C): 213 g/l
- Melting point: 205 °C (decomposes)
- pH(10 g/l H₂O, 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
- 15°C - 25°C