

Product code:AC2051  
**Sulfamic acid, extra pure**

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 10



## Technical Data Sheet

### Synonyms

Amidosulfonic acid, Sulfaminic acid, Sulfamidic acid, Aminosulfonic acid

### Specifications

assay (acidimetric) .....	min. 99,5 %	iron (Fe).....	max. 0,001 %
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 %	sulfated ash .....	max. 0,05 %
heavy metals (as Pb).....	max. 0,001 %	water (K.F.).....	max. 0,2 %

### Packaging

AC20511000      1 kg     

### Physical data

- Form: solid
- 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

### Toxicological data

- LD 50 (oral, rat): 3160 mg/kg
- WGK: 1
- Poison class CH (Swiss): 3

### Safety

- Hazard symbols: Xi (Irritant)
- EC Index no.: 016-026-00-0
- R: 36/38-52/53
- S: 26-28.1-61

### Transport/storage

- ADR: 8 C2 III• UN 2967
- IMDG: 8 III• UN 2967
- IATA/ICAO: 8 III• UN 2967
- PAX: 822
- CAO: 823
- LGK: 8 B
- Disposal: 14

### Applications

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