

Identification

$\text{Na}_2\text{S}_2\text{O}_5$
 M = 190,10 g/mol
 CAS [7681-57-4]
 EC number: 231-673-0
 Taric code: 2832 10 00

Synonyms

Sodium metabisulfite, Sodium pyrosulfite

Applications

analytical chemistry, laboratory reagent, bleaching agent, reducing agent (manufacture of dyes), antioxidant (in the pharmaceuticals industry), in food industry (E 223), preservative agent.

Specifications

assay (iodometric).....	97,0 - 100,5 %	chlorides (Cl).....	max. 0,005 %
identity (IR-spectrum).....	passes test	thiosulfates (S_2O_3).....	max. 0,05 %
Identification sodium.....	passes test	thiosulfates (S_2O_3).....	passes test
appearance of solution.....	clear and colourless	arsenic (As).....	max. 5 ppm
reaction of sulphates.....	passes test	heavy metals (as Pb).....	max. 0,001 %
insoluble in water.....	max. 0,005 %	iron (Fe).....	max. 5 ppm
pH (5 %, H_2O).....	3,5 - 5,0	lead (Pb).....	max. 5 ppm

Physical data

- Appearance: crystals or powder, white
- Spec. Density: 1,48 g/cm³
- Bulk density: ~ 1100 - 1200 kg/m³
- Solub. in water: (20 °C): ~ 650 g/l
- Melting point: ~ 150 °C (decomposes)
- pH(50 g/l H_2O , 20 °C) 3,5 - 5,0

Safety - GHS

Signal Word: Danger

Hazard Statements:

H318: Causes serious eye damage.
 H302: Harmful if swallowed.
 EUH031: Contact with acids liberates toxic gas.


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.
 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.