

Identification

Na₃PO₄·H₂O
M = 181,96 g/mol
CAS [27176-08-5]
EC number: 231-509-8
Taric code: 2835 23 00

Synonyms

Trisodium phosphate, Sodium phosphate tribasic

Applications

analytical chemistry, in food industry.

Specifications

assay (acidimetric).....	min. 95 %	copper (Cu).....	max. 0,003 %
insoluble in water.....	max. 0,05 %	arsenic (As).....	max. 5 ppm
chlorides (Cl).....	max. 0,02 %	iron (Fe).....	max. 0,003 %
sulfates (SO ₄).....	max. 0,05 %	lead (Pb).....	max. 0,003 %
nitrogen compounds (as N).....	max. 0,005 %	nickel (Ni).....	max. 0,003 %

Physical data

- Solub. in water: (20 °C): soluble
- pH(10 g/l H₂O, 20 °C) ~ 11,5 - 12,0

Safety - GHS

Signal Word: Danger

Hazard Statements:

H314: Causes severe skin burns and eye damage.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
- P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- 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.
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 8 C6 III • UN 3262 • CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (tri-Sodium phosphate monohydrate)
- IMDG: 8 III • UN 3262 • CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (tri-Sodium phosphate monohydrate)
- IATA/ICAO: 8 III • UN 3262 • CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (tri-Sodium phosphate monohydrate)
- PAX: 822
- CAO: 823
- 10°C - 30°C