

Identification

Na₃PO₄
M = 163,94 g/mol
CAS [7601-54-9]
EC number: 231-509-8
Taric code: 2835 23 00

Synonyms

tri-Sodium orthophosphate, TSP, Sodium phosphate tribasic

Applications

in food industry, photography, in the paper industry.

Specifications

assay (acidimetric).....	min. 97 %	total nitrogen (as N).....	max. 0,001 %
insoluble in water.....	max. 0,05 %	arsenic (As).....	max. 1 ppm
free alkali (as NaOH).....	max. 2 %	heavy metals (as Pb).....	max. 0,001 %
sulfates (SO ₄).....	max. 0,01 %	iron (Fe).....	max. 0,001 %

Physical data

- Spec. Density: 1,1 g/cm³
- Solub. in water: (20 °C): 88 g/l
- Melting point: 75 °C (decomposes)
- pH(10 g/l H₂O, 20 °C) ~ 12,1

Safety - GHS

Signal Word: Warning

Hazard Statements:

H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.



Precautionary Statements:

P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
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).
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C