

Identification

Na
M = 22,99 g/mol
CAS [7440-23-5]
EC number: 231-132-9
Taric code: 2805 11 00

Applications

analytical chemistry, laboratory reagent, to make sodium salts, reducing agent (ketones), for the synthesis of: lead tetraethyl, manufacturing of photoelectric cells, manufacturing of sodium lamps.

Specifications

chlorides (Cl).....	max. 0,01 %	calcium (Ca).....	max. 0,1 %
sulfates (SO ₄).....	max. 0,01 %	iron (Fe).....	max. 0,002 %
		potassium (K).....	max. 0,05 %

Physical data

- Spec. Density: 0,97 g/cm³
- Solub. in water: (20 °C): explosion reaction
- Melting point: 98 °C
- Boiling point: 889 °C
- Ignition temperature: > 115 °C
- Vapour pressure: (400 °C) 1,6 hPa
- pH(H₂O, 20 °C) > 14 (after reaction with water)

Safety - GHS

Signal Word: Danger

Hazard Statements:

H260: In contact with water releases flammable gases which may ignite spontaneously.
H314: Causes severe skin burns and eye damage.
EUH014: Reacts violently with water.



Precautionary Statements:

P223: Keep away from any possible contact with water, because of violent reaction and possible flash fire.
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: 4.3 W2 I • UN 1428 • SODIUM
- IMDG: 4.3 I • UN 1428 • SODIUM
- IATA/ICAO: 4.3 I • UN 1428 • SODIUM
- PAX: F
- CAO: 412
- 10°C - 30°C