

## Identification

Na<sub>2</sub>O<sub>2</sub>  
M = 77,98 g/mol  
CAS [1313-60-6]  
EC number: 215-209-4  
Taric code: 2815 30 00

## Applications

oxidizing agent, synthesis of organic products, manufacture of dyes (in the textile industry).

## Specifications

assay (permanganometric).....	min. 95 %	total nitrogen (as N).....	max. 0,005 %
chlorides (Cl).....	max. 0,005 %	aluminium (Al).....	max. 0,005 %
phosphates (as PO <sub>4</sub> ).....	max. 0,002 %	heavy metals (as Pb).....	max. 0,005 %
sulfates (SO <sub>4</sub> ).....	max. 0,005 %	iron (Fe).....	max. 0,005 %

## Physical data

- Appearance: up to 0,5mm
- Spec. Density: 2,8 g/cm<sup>3</sup>
- Bulk density: 1138 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 100 g/l (decomposes)
- Melting point: 460 °C
- Boiling point: 657 °C (decomposes)
- pH(100 g/l H<sub>2</sub>O, 20 °C) ~ 12,8
- Hygroscopic

## Safety - GHS

Signal Word: Danger

### Hazard Statements:

H271: May cause fire or explosion; strong oxidiser.  
H314: Causes severe skin burns and eye damage.



### Precautionary Statements:

P221: Take any precaution to avoid mixing with combustibles.  
P283: Wear fire / flame resistant / retardant clothing.  
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.  
P370+P378: In case of fire: Use ... for extinction.  
P405: Store locked up.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

## Transport/storage

- ADR: 5.1 O2 I • UN 1504 • SODIUM PEROXIDE
- IMDG: 5.1 I • UN 1504 • SODIUM PEROXIDE
- IATA/ICAO: 5.1 I • UN 1504 • SODIUM PEROXIDE
- PAX: F
- CAO: 512
- 10°C - 30°C