

**Sodium peroxodisulfate, EssentQ®****Identification**

Na<sub>2</sub>S<sub>2</sub>O<sub>8</sub>  
M = 238,09 g/mol  
CAS [7775-27-1]  
EC number: 231-892-1  
Taric code: 2833 40 00

**Synonyms**

Sodium persulfate, Peroxydisulfuric acid disodium salt

**Applications**

analytical chemistry, laboratory reagent, oxidizing agent, in the electronic industry, for determination of: TOC.

**Specifications**

|                                |             |                     |              |
|--------------------------------|-------------|---------------------|--------------|
| assay (iodometric).....        | min. 98 %   | copper (Cu).....    | max. 0,002 % |
| insoluble in water.....        | max. 0,05 % | iron (Fe).....      | max. 0,002 % |
| Cl compounds (as Cl).....      | max. 0,05 % | lead (Pb).....      | max. 0,002 % |
| nitrogen compounds (as N)..... | max. 0,1 %  | magnesium (Mg)..... | max. 0,01 %  |
| calcium (Ca).....              | max. 0,01 % | nickel (Ni).....    | max. 0,002 % |

**Physical data**

- Appearance: crystals, white or almost white
- Spec. Density: 1,10 g/cm<sup>3</sup>
- Bulk density: ~ 1150 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 545 g/l
- pH(100 g/l H<sub>2</sub>O, 20 °C) 3,5 - 3,8

**Safety - GHS**

Signal Word: Danger

**Hazard Statements:**

- H272: May intensify fire; oxidiser.  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H302: Harmful if swallowed.  
H335: May cause respiratory irritation.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H317: May cause an allergic skin reaction.

**Precautionary Statements:**

- P221: Take any precaution to avoid mixing with combustibles.  
P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
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 III • UN 1505 • SODIUM PERSULPHATE
- IMDG: 5.1 III • UN 1505 • SODIUM PERSULPHATE
- IATA/ICAO: 5.1 III • UN 1505 • SODIUM PERSULPHATE
- PAX: 516
- CAO: 518
- 10°C - 30°C