

Ir.Chemineral Company was established in 2016 and is privately and independently managed. The specialists of this company are trying to manufacture various chemical raw materials to meet the needs of downstream chemical industries.



**Sodium Perborate**

### Physicochemical Information

Colour	White
Odour	Odourless
Density	1.73 g/cm <sup>3</sup>
Vapor Pressure	1.3 mbar (30 °C)
Melting Point	60 °C (Decomposition)
pH Value	10 (15 g/l, 20 °C)
Bulk Density	800 kg/m <sup>3</sup>
Solubility	23 g/l
Storage	+ 5 °C to +30 °C

### Specifications

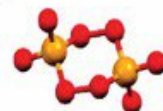
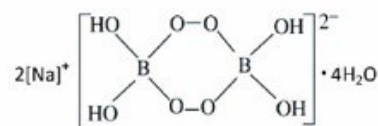
Assay	≥ 97 %
Boron (B)%	8.86 %
Sodium (Na)%	14.8 %
Available O <sub>2</sub> (%)	≥ 10 %
Fe (Iron)%	≤ 0.002

Office Phone 021-22861688  
Sales Agent 09126860095

### Advantages of Sodium Perborate Compared to Sodium Percarbonate:

- A cyclic structure with the covalent bond.
- Oxygen releasing at temperature over 60 °C.
- Higher stability compared to percarbonates and perphosphates.
- Less consumption of hydrogen peroxide in the production cycle compared to percarbonates.
- Less consumption of enzymes in detergents containing perborates compared to percarbonates.
- Higher stability of amylase, protease and lipase enzymes in detergents containing sodium perborate compared to percarbonates.
- Less consumption of sodium perborate (10-15% wt) compared to sodium percarbonate (more than 25% wt) in the detergent powder production cycle.

### Sodium Perborate Tetrahydrate



**Active Oxygen Powder**



شیمی کانه ایرانیان

www.irchemineral.com

Sodium Perborate Tetrahydrate is considered as a source of active oxygen used in:

- Detergents
- Cleaning products
- Tooth bleaching
- Eye drops
- Disinfectants