

Sodium Sulfide 60% Flakes

Sodium sulfide flakes are a yellow solid provided as hydrate with a 40% crystal water content. It can be used as a processing aid for dehairing (tanneries), as an auxiliary in cellulose production, for the coloration of textiles, and as a flocculent for wastewater treatment (metal precipitant).



CAS Number : 1313-82-2

Molecular formula : Na_2S

ELINCS No. : 215-211-5

Molecular Weight : 78.04 g/mole

Specifications	
Na₂S	± 60 wt%
Iron	≤ 25 ppm
Na₂CO₃ (Sodium Carbonate)	≤ 0.5 wt%
Na₂S₂O₃ (Sodium Thiosulfate)	≤ 2 wt%
Unsoluble	≤ 15 ppm

Notes:

Analytical methods are available on request.

Packaging: 25 kg paper bags

Bulk Density: Approximately 850 kg/m³

Sodium Sulfide is widely used in producing dyestuff intermediates, and flotation agents, used in; the rubber industry, paper industry, waste water treatment, and pigment production. The main applications of Sodium Sulfide have been briefly discussed below:

- **Leather Industry:** The main application of sodium sulfide is in the leather industry as a “Liming & Unhairing Agent” in the liming process of leather production.
- **Ore Mining:** Na₂S is utilized in ore mining and ore processing. It is estimated that the usage of sodium sulfide in this industry has an increasing trend.
- **Water Treatment:** Sodium sulfide is used as an Oxygen-Scavenger in water treatment as an effective flocculent and metal precipitant agent.
- **Photography Industry:** Sodium sulfide is used in toning of black and white photographs.
- **Petroleum industry:** Extraction of petroleum and oil recovery operations is the other application of sodium sulfide.
- **Pulp and paper industry:** Na₂S is utilized in the kraft process of pulp and paper industry.
- **Textile industry:** Na₂S can be used as a desulfurization chlorine & bleaching agent in the textile industry.
- **Dye production:** It is used in the production of vegetable dyes and sulfur dyes.