



## Sodium Sulphide

Sodium sulfide, or Na<sub>2</sub>S, is an inorganic chemical compound with the formula of Na<sub>2</sub>S that has risen to prominence in the organic chemical industry. It's a powerful alkaline solution that smells like rotten eggs when exposed to moist air. Despite the fact that the solid-state is yellow, the solution is colourless. It's usually labelled as "sodium sulfide flakes" in the grades.



### SOME OF THE MAIN USES:

- IN THE PAPER AND PULP INDUSTRY, IT'S USED IN THE KRAFT PROCESS
- IN WATER TREATMENT, IT'S USED AS AN OXYGEN SCAVENGER
- IN THE TEXTILE SECTOR, IT IS USED AS A BLEACHING AGENT
- PRODUCTION OF RUBBER CHEMICALS, SULFUR DYES AND OTHER CHEMICAL COMPOUNDS
- APPLICATIONS INCLUDING ORE FLOTATION, OIL RECOVERY, MAKING DYES, AND DETERGENT
- USED DURING LEATHER PROCESSING
- REMOVE HAIR FROM HIDES IN LEATHER PROCESSING
- separate copper from molybdenum ores

<b>Chemical formula</b>	<b>Na<sub>2</sub>S</b>
<b>boiling point</b>	<b>1,180°C</b>
<b>Melting point</b>	1,176 °C (anhydrous) 100 °C (pentahydrate) 50 °C (nonahydrate)
<b>Molar mass</b>	78.0452 g/mol (anhydrous) 240.18 g/mol (nonahydrate)
<b>density</b>	1.856 g/cm <sup>3</sup> (anhydrous) 1.58 g/cm <sup>3</sup> (pentahydrate) 1.43 g/cm <sup>3</sup> (nonohydrate)
<b>Appearance</b>	<b>Yellow flake</b>

