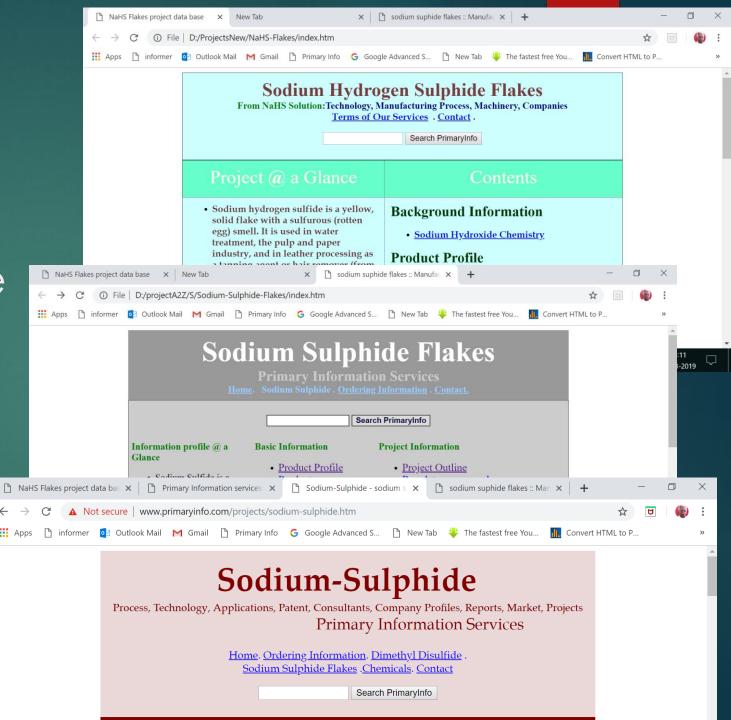
## Sodium Sulfide & Hydrosulfide

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Sodium sulfide is colorless or slightly yellow crystals of the cubic system

Sodium hydrosulfide NaHS is colorless or yellow crystals



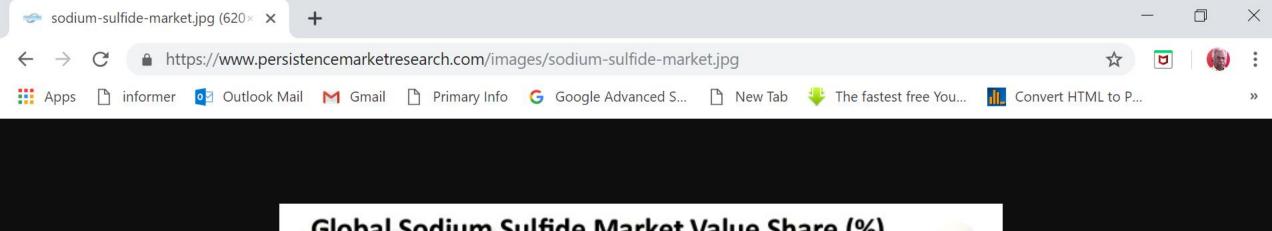
## Sodium sulfide is produced by the following methods:

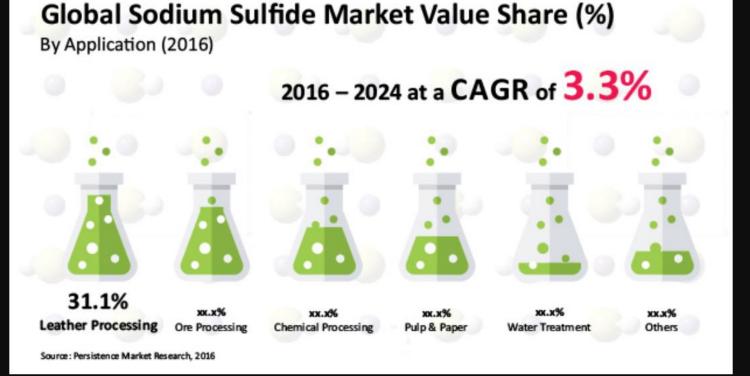
- The reduction of sodium sulfate by solid carbonaceous materials;
- The reduction of sodium sulfate by gaseous reducing agents;
- The absorption of hydrogen sulfide by sodium hydroxide;
- The exchange decomposition of barium sulfide with sodium sulfate, carbonate, and hydroxide;
- The electrolytic (amalgam) method.

Sodium sulfide is also obtained as a byproduct in the production of barium carbonate

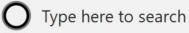
Small amounts of technical sodium hydrosulfide are obtained from the flue gases of organic synthesis

Sodium hydrosulfide of lower quality is obtained by using hydrogen sulfide a byproduct in the process of oil and gas processing, organic synthesis and others.













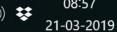










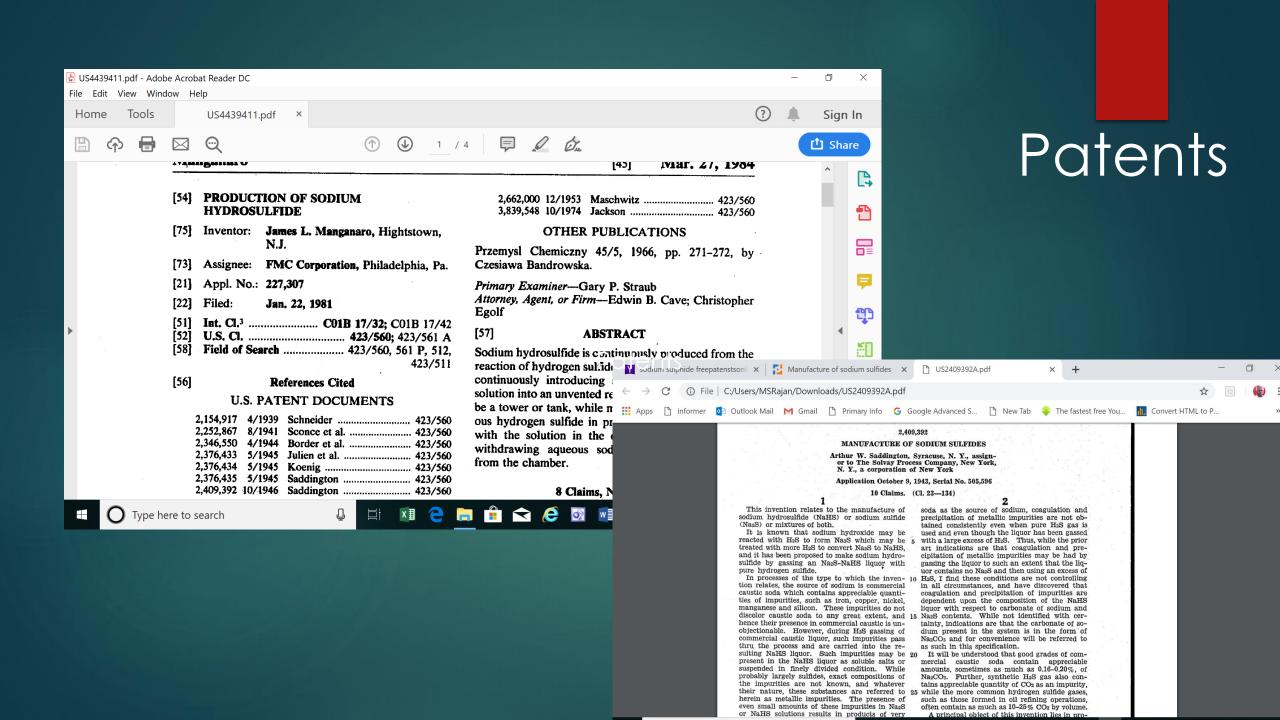


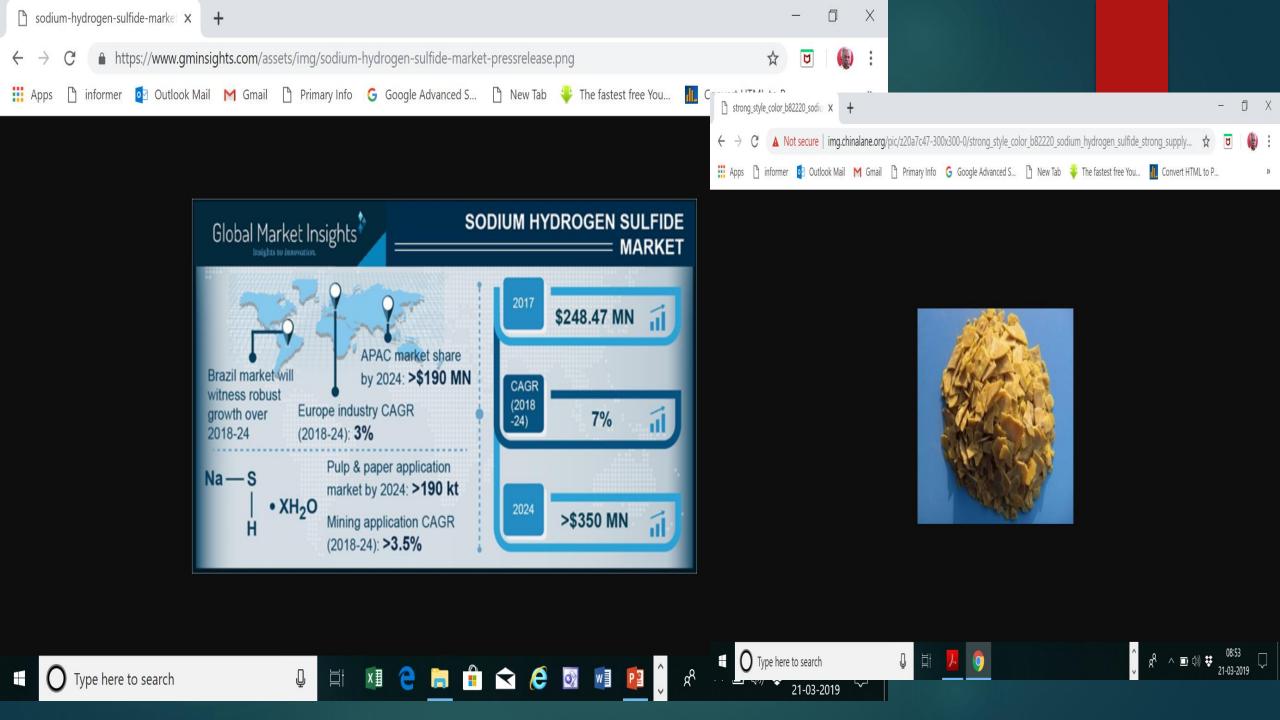


Methods of production of sodium hydrosulfide:

Absorption of hydrogen sulfide with sodium hydroxide

NaOH + H2S = NaHS + H2O





## Questions?

MAILTO:PRIMARYINFO@GMAIL.COM