

Product data sheet

Sodium Polysulfide (33 wt%): Na₂S_{2.5}

Formula:	Na ₂ S _{2.5}
Chemical Name:	Disodium Polysulfide (hydrate)
Concentration:	33 wt%
Molecular weight:	126.64 g/mol
CAS-No.:	1344-08-7
EC-No.:	215-689-9

Properties:

Relative Density (20 °C):	1.28 g/ml
pH-value	10 to 11

Specification:

Appearance:	Orange to light brown solution
Na ₂ S _x Content:	Min. 32 wt%
Na ₂ S ₂ O ₃ (Sodium Thiosulfate):	Max. 4.0 %
Na ₂ CO ₃ (Sodium Carbonate):	Max. 0.4 %
Iron (Fe):	Max. 10 ppm

Analytical methods are available on request.

Major Applications:

Process aid for leather and tanning applications, auxiliary in cellulose production, coloration of textiles, flocculent for waste water treatment, reduction of NO_x in off-gases.

Storage:

Store in a dry and dark location, avoid exposure to direct sun light. Max. storage temperature 40°C. When stored under these recommended storage conditions, Sodium Polysulfide (33wt%) will remain within the Akzo Nobel specifications for a period of at least six months after delivery.

Packaging and Transport:

Sodium Sulfide is delivered in:	IBCs 1200-1300 kg net
Hazard Identification No.:	80
UN-No.:	1760 (CORROSIVE LIQUID, N.O.S. (Sodium Polysulphides)

Safety advice:

SODIUM POLYSULFIDE (33wt%) is classified as a dangerous product. It is corrosive to metals and contact with the skin and eyes can cause burns. It is toxic if swallowed and is very toxic to aquatic life.

Contact with acids must be avoided. In contact with acids, the toxic gas Hydrogen Sulfide (H₂S) can be released.

For more information regarding handling, transport and first aid please refer to our Material Safety Data Sheet (MSDS).