Product Data Sheet

Sodium Polysulfide 35% - Na₂S₄

Formula: Na₂S₄
Chemical Name: Disodium Tetrasulfide (hydrate)
Concentration: 35%
Molecular weight: 174.24 g/mol
CAS-No.: 1344-08-7
EC-No.: 215-689-9

Properties:
Relative Density (20 °C): 1.33 g/ml
pH-value: 10 to 11

Specification:
Appearance: Orange to light brown solution
Na₂S₄ Content: Min. 34%
Na₂S₂O₃ (Sodium Thiosulfate): Max. 4.0%
Na₂CO₃ (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 NOₓ 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 (>35wt%) will remain within the Nouryon 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 (>35wt%) 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).

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product’s merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don’t copy this document to a website.