

Sodium Sulfide 60% Flakes

Disodium sulfide

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

CAS number
1313-82-2 (anhydrous)
27610-45-3 (hydrate)

EINECS/ELINCS No.
215-211-5

Molecular weight
78.04

Molecular formula
Na₂S

Specifications

Appearance	Light yellow to yellow
Content	≥ 60 wt%
Iron	≤ 10 ppm
Na ₂ CO ₃ (Sodium Carbonate)	≤ 0.5 wt%
Na ₂ S ₂ O ₃ (Sodium Thiosulfate)	≤ 0.8 wt%
Na ₂ SO ₃ (Sodium Sulfit)	≤ 0.5 wt%
Na ₂ S _x Content	≤ 0.2 wt%
NaOH (Sodium Hydroxide)	≤ 0.2 %
NaSH (Sodium Hydrogensulfide)	≤ 0.5 wt%

Properties

Bulk density	approx. 850 kg/m ³
Relative Density, 25°C	1.86 g/ml
Solubility in water, 20°C	178 g/l

Notes:

Analytical methods are available on request.

Applications

Sodium sulfide is predominately kraft process in the pulp and paper industry. Other applications can include use in water treatment, chemical photography, textile and leather industry and as chemical intermediate in a wide variety of industrial processes.

Storage

Store in a dry and dark location, avoid exposure to direct sun light. Max. storage temperature 40°C.

Packaging and transport

Sodium Sulfide 60% Flakes is delivered in: PE-Bags 25 kg net.

UN number	1849 (SODIUM SULPHIDE, HYDRATED)
Hazard Identification No.	80

Safety and handling

Sodium Sulfide 60% Flakes 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 Safety Data Sheet (SDS).

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.

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Contact Us

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The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a blue sans-serif font.