

Sodium Hydrosulfide 70% Flakes

Sodium hydrogensulfide

Sodium hydrosulfide flakes is a yellow solid provided as hydrate with a 30% crystal water content. It can be used as sulfidization and flotation agent (mining process), as process aid for dehairing (tanneries), coloration of textiles, auxiliary in cellulose production and as flocculent for wastewater treatment (metal precipitant).

CAS number
207683-19-0 (hydrate)
16721-80-5 (anhydrous)

EINECS/ELINCS No.
240-778-0

Molecular weight
56.06

Molecular formula
NaSH/NaHS

Specifications

Appearance	yellow flakes
Content	≥ 70 wt%
Iron	≤ 10 ppm
Na ₂ CO ₃ (Sodium Carbonate)	≤ 1.5 wt%
Na ₂ S	≤ 3.5 wt%

Properties

Bulk density	approx. 700 kg/m ³
Melting point	60-70 (72% flakes); 350 (anhydrous) °C
Relative Density, 25°C	1.55 g/ml
Solubility in water, 20°C	548 g/l

Notes:

Available grades: Technical Grade

Applications

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

Storage

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

Packaging and transport

Sodium Hydrosulfide 70% Flakes is delivered in: PE-Bags 25 kg net.

UN number	2949 (SODIUM HYDROSULPHIDE, HYDRATED)
Hazard Identification No.	80

Safety and handling

Sodium Hydrosulfide 70% 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.