

÷ TECHNICAL DATA SHEET (TDS) *Fine Grade Caustic Soda*

GENERAL INFORMATION

PURICALS Fine Caustic Soda Powder is a high-purity sodium hydroxide product designed for a wide range of industrial, water treatment, and chemical manufacturing applications. It offers excellent solubility and strong alkalinity, making it ideal for pH adjustment, chemical synthesis, and surface cleaning operations. The products of this company are manufactured by skilled professionals using advanced technology to ensure quality that meets the European standard “Chemicals used for treatment of water intended for human consumption” EN 896:2012 • NSF/ANSI 60: Drinking Water Treatment Chemicals – Health Effects.

Key Benefits

- ✓ Provides strong alkalinity for efficient pH adjustment and chemical reactions.
- ✓ Offers high purity and excellent solubility, ensuring consistent performance across various applications.
- ✓ Enhances cleaning and degreasing processes in industrial and manufacturing operations.
- ✓ Reduces operational costs by improving reaction efficiency and minimizing chemical waste.

Applications

- *Water and wastewater treatment*
- *Chemical industries (production of detergents, paper, textiles)*
- *Oil and gas industries*
- *Food industry (fruit and vegetable peeling)*
- *Industrial cleaning and degreasing*

Product Specifications

Raw	Test	Result	Unit	Limit	Method
1	Purity of Sodium Hydroxide	98.2	%	≥98	INSO 364
2	Carbonate as Na ₂ CO ₃	0.8	%	< 1	INSO 364
3	Chloride as NaCl	0.02	%	< 0.06	INSO 364
4	Sulfphate as Na ₂ SO ₄	0.01	%	< 0.01	INSO 364
5	Substances Insoluble in Water	0.06	%	< 0.1	INSO 364
6	Silicate as SiO ₂	< 0.01	%	< 0.02	INSO 364
7	Aluminum as Al ₂ O ₃	< 10.0	ppm	< 20	INSO 364
8	Iron as Fe	< 2	ppm	< 30	INSO 364
9	Heavy metals as Pb	< 2	ppm	< 20	INSO 364
10	Arsenic as As ₂ O ₃	< 2	ppm	< 2	INSO 364
11	Hg	< 0.1	ppm	< 0.2	INSO 364

STORAGE INFORMATION

Fine Caustic Soda should be stored in dry, well-ventilated areas, away from moisture and sources of heat. It is highly hygroscopic, meaning it can absorb moisture from the air, which may cause it to clump together or become less effective. To prevent this, it is recommended to store it in sealed containers, such as polyethylene or polypropylene bags, drums, or bins.

The storage containers should be kept away from acids, organic materials, and other incompatible substances. Ensure the storage area is equipped with proper safety measures to avoid exposure to skin or eyes, as Fine Caustic Soda is a highly corrosive substance.

DELIVERY

The solid product is supplied in polyethylene bags, which are typically placed on pallets. Common packaging options are 25 kg or 1000 kg (one-ton) bags. If required, the product can be provided in different packaging forms to meet customer needs. For bulk delivery, the product can be transported using containers or suitable transport vehicles.

NOTE



..... نفت، گاز، پتروشیمی، آب و فاضلاب

Refer to the SDS for further health, safety and environmental information regarding this product. Information and recommendations in this technical data sheet are based on information believed to be reliable. However, the use of the product is beyond our control, and no guarantee expressed or implied is made as to the effects of such the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility including injury or damage, resulting from misuse of the product as such, or combination with other materials.