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Polestar Worldwide General Trading LLC

Caustic Soda (Pearls)

Caustic soda pearls, also known as sodium hydroxide pearls, are a filtration-grade substance designed to be used in applications such as mash filters and mash vessels. It is characterized by its lack of Odor and its ability to withstand temperatures up to 80 °C, beyond which its efficiency starts to decline.

The production process of caustic soda pearls involves subjecting a caustic soda solution to a 25-mesh grade, which is equivalent to 0.75 mm, followed by a free fall from a height to dry in a spherical shape. The resulting product is small, white balls with diameters of 0.7 mm, which are suitable for use in various industrial processes.

It is worth noting that caustic soda pearl is a highly potent alkaline substance and should be handled with care. It is essential to follow appropriate safety protocols when handling this substance to prevent any potential hazards. Below are the typical technical specifications of the Caustic soda pearls (Granular) exported by Polestar Worldwide General Trading LLC

Classification	Alkali base
Appearance (25℃)	White crystalline pearls
Odor	No Odor
Bulk density, g/ml (25°C)	1.175
Melting point, ℃	318.4
Boiling point, ℃	1388
Water solubility	Highly soluble
pH value (1% solution)	14
Sensitivity	Air sensitive, hygroscopic
Purity (NaOH content), %	≥99.0
Na_2CO_3 content, %	≤0.5
NaCl content, %	≤0.03
Fe_2O_3 content, %	≤0.005

Common uses for caustic soda flakes

1. Soap and detergent manufacturing
2. Paper & pulp manufacturing, Petroleum refining (Oil Exploration)
3. Glass and rubber industries
4. Neutralization of waste acids, Textile bleaching
5. Degreasing and treatment of packaging in the food industry (including dairy plants, fat-and-oil plants, liquor enterprises, and tobacco plants, among others).

+971 04 513 5655
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www.polestarworldwide.ae
P O Box Number : 13866
export@polestarworldwide.ae
inquiry@polestarworldwide.ae

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Packing

We export caustic soda pearls in two packaging options to prevent moisture absorption. The first option is 25 KG PP /HDPE bags, while the second is 50 KG PP/HDPE bags placed in a jumbo bag if needed.

Storage

1. According to the relevant regulations, Caustic soda must be stored, maintained, and used.
2. Store in a cool place and out of direct sunlight.
3. Store away from foodstuffs.
4. Do not store in aluminium or galvanized containers, nor use die-cast zinc or aluminium bungs; instead, plastic bungs should be used.
5. At temperatures greater than 40°C, tanks must be stress relieved.
6. Keep containers closed when not in use - check regularly for leaks.

COMMENTS

Typical chemical and physical properties do not constitute product specifications and are not guaranteed or warranted. These properties are provided for informational purposes only.

PLEASE OBTAIN A PRODUCT SAFETY DATA SHEET FOR MORE INFORMATION.

The Safety Data Sheet ("SDS") for this product contains essential environmental, health, and safety information regarding this product, including information concerning the handling and storage of this product. The most current version of the SDS for this product can be obtained by contacting a representative of Polestar Worldwide General Trading LLC.

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