

## SOLID CAUSTIC SODA - MICROPEARLS

PDS-NaOH-100-TA-0001-EN

### Product Identification:

Solid Caustic Soda – Micropearls are white, odourless and solid.

Sodium Hydroxide	NaOH	ID Number	011-002-00-6
Molecular Weight	40.01	EC Number (EINECS)	215-185-5
CAS Number	1310-73-2	UN Number	1823

For further information on product handling, transport, storage and product properties please consult us.

### Product Specifications:

Characteristic	Unit	Value	Method of analysis <sup>(1)</sup>
Total Alkalinity (NaOH)	g/kg	≥ 990	Titrimetry
Sodium Carbonate (Na <sub>2</sub> CO <sub>3</sub> )	g/kg	≤ 4	Titrimetry
Sodium Sulphate (Na <sub>2</sub> SO <sub>4</sub> )	mg/kg	≤ 80	Ion chromatography
Sodium Chloride (NaCl)	mg/kg	≤ 200	Ion chromatography
Iron (Fe)	mg/kg	≤ 10	Photometry
Mercury (Hg)	mg/kg	≤ 0.1	Flameless atomic absorption spectrometry
Sodium Chlorate (NaClO <sub>3</sub> )	mg/kg	≤ 80	Titrimetry
Arsenic (As)	mg/kg	≤ 1	ICP-AES* (* Inductively coupled plasma atomic emission spectroscopy)
Cadmium (Cd)	mg/kg	≤ 1	
Chromium (Cr)	mg/kg	≤ 1	
Nickel (Ni)	mg/kg	≤ 2	
Lead (Pb)	mg/kg	≤ 0.5	
Antimony (Sb)	mg/kg	≤ 5	
Selenium (Se)	mg/kg	≤ 5	
Insoluble substances	-	conform	Visual test
Organic compounds	-	conform	

(1) The product is analysed with the mentioned methods or using local methods depending on laboratory equipment.

Some applications of this product may be regulated or restricted by applicable laws and regulations or by national or international standards, which may among other concern medical devices, pharmaceutical industry, cosmetics packaging, personal care packaging, food, food additives, feed packaging, drinking water, water treatment. The buyer and the eventual user, in his sole and entire liability, shall respect those standards, orders of any relevant authority, and all existing patents and intellectual properties rights; and shall comply with the laws, regulations, standards and/or recommendations applicable to our products and/or to his activity, to their final articles and/or their use. The buyer and the eventual user must independently determine the suitability of this product for any particular purpose and its manner of use.

The above information is provided for our customers only (we accept no liability to any third parties). It reflects our current knowledge and experience of the product and is accurate as of the date of this document. All products are supplied in accordance with our general terms and conditions for sale. This information is for use by technically skilled persons at their own discretion and risk. We accept no liability for the effects of any chemical combinations with any other substance, processes or mixtures of the product which are carried out by our customers or third parties. We reserve our right to make additions, deletions, or modifications to the information at any time without prior notification.

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### Additional Information:

Solid Caustic Soda is produced by membrane process at the specified plant and dehydrated in a second step.

Solid Caustic Soda fulfils (expressed on NaOH 100%):

- The purity criteria defined in Regulation (EU) N° 231/2012 - laying down specifications for food additives listed in Annex II and III to Regulation (EU) N° 1333/2008, as described for E524-Sodium Hydroxide ( $\text{Na}_2\text{CO}_3 < 0.5\%$ ;  $\text{As} < 3\text{mg/kg}$ ;  $\text{Pb} < 0.5\text{mg/kg}$ ;  $\text{Hg} < 1\text{mg/kg}$ )
- The purity criteria as defined in EN 896:2012 - Chemicals used for treatment of water intended for human consumption - Sodium Hydroxide ( $\text{NaCl} < 2.4\%$ ;  $\text{Na}_2\text{CO}_3 < 0.4\%$ ;  $\text{NaClO}_3 < 0.7\%$ ;  $\text{As} < 2\text{mg/kg}$ ;  $\text{Cd} < 1\text{mg/kg}$ ;  $\text{Cr} < 1\text{mg/kg}$ ;  $\text{Hg} < 0.1\text{mg/kg}$ ;  $\text{Ni} < 2\text{mg/kg}$ ;  $\text{Pb} < 5\text{mg/kg}$ ;  $\text{Sb} < 5\text{mg/kg}$ ;  $\text{Se} < 5\text{mg/kg}$ ).
- Specification and maximum impurities indicated in the Food Chemicals Codex, 11th edition ( $\text{Na}_2\text{CO}_3 < 3\%$ ;  $\text{As} < 3\text{mg/kg}$ ;  $\text{Hg} < 0.1\text{mg/kg}$ ;  $\text{Pb} < 2\text{mg/kg}$ ).

It cannot be assumed that Solid Caustic Soda meeting the specification limits in the Food Chemicals Codex or Commission Regulation (EU) N° 231/2012 is satisfactory for all food or food related applications without an assessment against appropriate regulations by the user.

Solid Caustic Soda is not placed on the market as a food grade material, for example it is not produced at a registered food facility, nor is it manufactured to GMP or subject to HACCP assessment.

### Shelf life:

The recommended shelf life of packed Solid Caustic Soda Micropearls, when stored in dry conditions at ambient temperature, is 2 years after packing date which is printed on the packaging (both on 25 kg bags as on big bags).

### Production Plants:

Tavaux (France).

Please consult us for our Safety Data Sheet.

It is the responsibility of the customer and producer of the end product to ensure that the final material or article complies with all relevant regulations. INOVYN's products are supplied only on the strict understanding that the customer and the producer of the end product will ensure that the regulations have been complied with. If guidance is required regarding the use of the product, please seek assistance from your sales or technical service representative or visit [www.inovyn.com](http://www.inovyn.com).

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