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## Typical Product Specifications & Properties

# Sodium Hydroxide

CAS Number: : 1310-73-2

| Specifications                            | Limits                                               |
|-------------------------------------------|------------------------------------------------------|
| Density                                   | 2.12 (204 c)                                         |
| Melting Point                             | app. 321 °C                                          |
| Fe                                        | < 10 mg/kg                                           |
| Particle Distribution                     | 0.50 - 1.0 mm — app. 90 % 0.25 - 0.5 mm —            |
| Bulk Density                              | 1.10 - 1.16 g/cm <sup>3</sup>                        |
| Molar Mass                                | 40 g/mol                                             |
| NaOH                                      | 99.0 - 99.7 %                                        |
| Solubility (grams/100 gramg water) at 0°C | In Water:@ 0 °C — 42 g/100 cm <sup>3</sup> @ 20 °C — |
| NaClO <sub>3</sub>                        | < 15 mg/kg                                           |
| NaCl                                      | < 0.04 %                                             |
| Density (lbs/gal(US)@20°)                 | (@ 20 °C) : 2.13 g/cm <sup>3</sup>                   |
| Na <sub>2</sub> CO <sub>3</sub>           | < 0.4 %                                              |



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| Specifications                  | Limits                             |
|---------------------------------|------------------------------------|
| Na <sub>2</sub> SO <sub>4</sub> | < 0.02 %                           |
| Vapor Pressure                  | 1 mm (739 c)                       |
| Molecular weight                | 40.00                              |
| Solubility                      | water, alcohol, methanol, glycerin |
| Boiling Point                   | 1390 c                             |
| Chemical Structure              |                                    |



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