**SPECIFICATION**

PRODUCT NAME: CAUSTIC SODA FLAKE

ORIGIN:CHINA

* [Product Description](javascript:;)

Product Parameters

**Appearance:**white flakes

**Physical and Chemical data:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Melting Point** | **Boiling point** | **Density** | **Flash Point** |
| 318.4ºC | 1390ºC | 2.13  g/m3 | 176~178ºC |

**Other Related indexes:**

|  |  |  |  |
| --- | --- | --- | --- |
| **EINECS** | **RTECS** | **PubChem** | **MDL** |
| 215-185-5 | WB4900000 | 24857963 | MFCD00003548 |

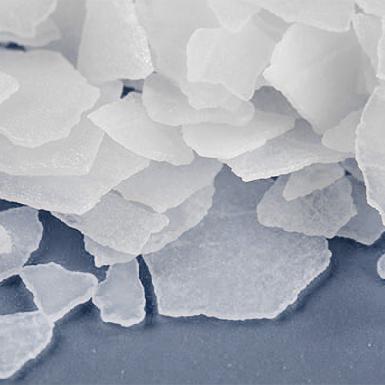
**Solubility:**soluble in water, glycol, not soluble in ethanol. solubility in water is as below

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Temperature (ºC)** | **0** | **10** | **20** | **30** | **40** | **50** | **60** | **70** | **80** | **90** | **100** |
| Solubility by (g) | 42 | 51 | 109 | 119 | 129 | 145 | 174 | 299 | 314 | 329 | 347 |

**Main indexes:**

|  |  |
| --- | --- |
| **Index** | **Standard** |
| Purity(NaOH) by wt % | 99.0 min |
| NaCl by wt % | 0.03 max |
| Na2CO3 by wt % | 0.5 max |
| Iron content (as Fe) by wt % | 0.005 max |
| SiO2 by wt % | 0.04 max |
| Ca2+ Mg2+ by wt % | 0.03 max |
| Pb by wt % | 0.003 max |
| Hg by wt % | 0.0015 max |

Detailed Photos

Main Application

1. Soap and detergent powder

2. Paper making

3. Fiberglass

4. Oil refining

5. Water treatment

Important Notice

1. Caustic soda is a strong alkali material, it can absorb moisture to deliquesce or absorb carbon dioxide to deteriorate when exposed in the air

2. In most applications, caustic soda is used in solution status, but for exporting and importing, it's suggested to use solid form to save the packing cost and transportation cost

3. There are mainly 3 solid types:

**a)**Solid (packed in drums, purity cca. 96%)

**b)**Flakes (packed in bags, purity cca. 99%)

**c)**Pearls (packed in bags, purity cca.99%)

Among the 3 forms, flakes and pearls are mostly widely used

4. We normally list 2 years as the shelf life in our COA, the real shelf life is actually longer than 2 years if it's stocked in good condition (bags are sealed enough, away from direct sun-light, moisture and other incompatible chemical materials)

