

Caustic Soda Flakes

CAS 1310-73-2 · NaOH · 98% min

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1. Product identity

Product name	Caustic Soda Flakes
Synonyms	sodium hydroxide flakes, NaOH flakes, caustic flakes
C.A.S. number	1310-73-2
Molecular formula	NaOH
Molecular weight	40.00 g/mol
Grade supplied against	98% min
Appearance	White, odourless, opaque flakes; strongly hygroscopic and deliquescent, absorbs moisture and carbon dioxide from air
Product group	Alkalis & Bases
HSN code	2815 11 10
Country of origin	As stated on the producer's documents for the lot supplied; confirmed at offer stage
Packing	25 kg bag · 1 MT jumbo
Storage	Store in a cool, dry, well-ventilated area in tightly closed, moisture-proof HDPE-lined bags, drums or steel silos. Keep strictly away from water, damp floors, acids, food and feedstuffs, and from aluminium/zinc/tin/galvanised equipment. Flakes cake and form hard lumps if they absorb moisture. Provide eyewash and safety shower. When making up solution, add flakes slowly to a large volume of cold water with agitation — NEVER add water to flakes.

2. Analytical specification

S. No.	Test parameter	Specification	Method
1	Description	White, odourless, opaque flakes; strongly hygroscopic and deliquescent, absorbs moisture and carbon dioxide from air	Visual
2	Identification	Conforms to the substance supplied	Instrumental or chemical test, per method agreed
3	Assay / grade	98% min	Titrimetry or instrumental, per method agreed
4	Physical state	Solid (flakes)	Visual
5	Solubility in water	109 g/100 mL at 20 C (1090 g/L) — very soluble; dissolution is violently exothermic	Per the test method agreed
6	pH	14 (5% aqueous solution — Chemfab Alkalis SDS)	Potentiometry on an aqueous suspension

S. No.	Test parameter	Specification	Method
7	Relative density	2.13 g/cm ³ (true density of the solid at 20 C). Bulk/poured density of flakes 0.7-0.8 g/cm ³ at 25 C (Aditya Birla SDS)	Pyknometry or gas displacement
8	Melting / freezing point	318 C	Thermal analysis
9	Boiling point	1388-1390 C	Distillation range
10	Flash point	Not flammable (non-combustible solid). Caution: contact with aluminium, zinc, tin or galvanised metal in the presence of moisture liberates flammable hydrogen gas	Not applicable — the substance is not combustible
11	Additional parameters	To the specification agreed before order	As agreed

3. Transport classification

UN 1823 · Class 8 (Corrosive) · Packing group II

Proper shipping name: SODIUM HYDROXIDE, SOLID

What this document is. This is a product specification sheet. It states the grade this material is supplied against, its packing and its identity. **It is not a certificate of analysis, it carries no test results, and it certifies no batch.** Tested values for the consignment actually loaded appear on the batch certificate of analysis issued against that batch, which travels with the despatch documents. Identity and physical data are drawn from PubChem, the ECHA CLP inventory and ILO safety cards; the producer's documents for the grade quoted govern. Velora Chemicals Private Limited is a bulk supplier and trader, not a manufacturer.