



Product Fact sheet

Stable Bleaching Powder

Stable Bleaching Powder (Calcium Hypochlorite) is a widely used chemical. It decomposes on contact with water, releasing chlorine at the point of application. This makes it a strong oxidizing and bleaching agent.

Properties	
Appearance	White, Fine free flowing Powder
Specific Gravity	2.35 at 200 °C
Physical state	Solid
Solubility in water	Mixes in water
Odour	Pungent

Chemical Identity	
Formula: Ca (OCI) ₂	CAS No.7778-54-3
Molecular Weight	143
UN No.	1748

Specifications	Grade I	Grade II	Export Grade
Available Chlorine (min.)	34%	32%	35%
Parts Stability (max.)	1/15	1/11	1/15
Moisture (%) (max.)	0.30	0.50	0.30
Particles passing through 1:7 mm (10 mesh) IS Sieve (min.)	99.5%	99.0%	99.5%

Toxicity	
LD ₅₀ (Oral-Rat)	850 mg/kg
TLV / MAC(ACGIH)	3mg/M ³ for Chlorine
It causes irritation of eyes, skin, throat and respiratory tract.	

Packaging
In bags with double inner liner (25Kg HDPE bags)
In Drums with single inner liner (50Kg GI Drum / 50Kg HDPE Drum / 25Kg HDPE Drum) or as per pack size requireSd by the buyer)

Applications

Bleaching powder is basically a bleaching agent. It finds application as a bleaching agent in Textile Mills, Hand Looms and Power Looms, Hosiery, Laundry, Paper, Soap and Silicate manufacturing and as oxidizing agent in organic synthesis. It is not for Medicinal Use.

Safety / Precaution:

Keep away from water, acid, combustible materials and heat. Drums can rupture when heated.

Storage:

Store in a cool, dry, well ventilated area, away from the source of heat, direct sunlight. Avoid extended storage during summer.

First Aid Measures

- Eyes : Flush eyes with a stream of water for atleast 15 minutes
- Skin : Flush thoroughly with cool water under shower while removing contaminated clothing and shoes. Discard non rubber shoes
- Inhalation : Remove to fresh air
- Ingestion : If swallowed, do not induce vomiting, although it may occur spontaneously.

“Creating magic through Chemistry”

Chlor alkali Chemicals Business of Aditya Birla Group has presently four units in India.

ABCIL - Rehla :- 300 tpd

ABCIL - Renukut:- 365 tpd

GRCD - Nagda :- 750 tpd

ABCL - Veraval :- 280 tpd

A new fully integrated chemical complex with 500 tpd caustic capacity is to be commissioned in Apr'2013 at Vilayat.

Chemical Business units practice “World Class Manufacturing” excellence model. The units are also accredited with four International Certifications – **ISO 9001, ISO 14001, OHSAS - 18001 & SA—8000.**

Website: - www.adityabirlachemicals.com

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