

DBCHEMICALS

With profound chemical background excellent expertise in sodium chlorate manufacturing and CHG's own hydropower station, the Deep Blue-brand (DB Chemicals) sodium chlorate is still one of the customer's trustworthy products as "high purity, large scale, good credibility and reliable supply".

Covering mainly the international paper and pulp industry our sodium chlorate is a prominent industry player that provides good quality products with consistent delivery to our esteemed customer. With the strong support from CHG's own hydropower station, the DB Chemical production reaches at least 100,000 tons annually. With strategic plans to increase the total production capacity we are targeting to reach 150,000 tons annually in the coming years and become one of the largest sodium chlorate production bases in China. We are proud to say we are the only sodium chlorate manufacturer in China who has its own hydropower plants.



Application

Pulp Bleaching

Sodium chlorate is largely used by the pulp & paper industry to produce chlorine dioxide, which is used to bleach wood pulp for the manufacture of higher quality and environmentally friendly white paper products. Pulp mills convert sodium chlorate into chlorine dioxide – an environmentally friendly bleaching agent. The process of using chlorine dioxide to bleach pulp is referred to as "ECF" bleaching meaning "elemental chlorine free".

Up to 95 percent of all sodium chlorate produced worldwide goes into the pulp and paper industry. With growing environmental concerns, sodium chlorate, as a key ingredient for making chlorine dioxide, is in even greater demand by the industry.

**"high purity,
large scale,
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Application

Water Treatment

Sodium Chlorate can also be used in water treatment. Pulp and paper mills also pollute water, which must be cleaned before it is released into the environment. The composition of paper production pollutants in waste water depends on the paper produced as well as on fillers and chemicals used. Through chemical traction chlorine dioxide is generated for waste water disinfection and treatment.

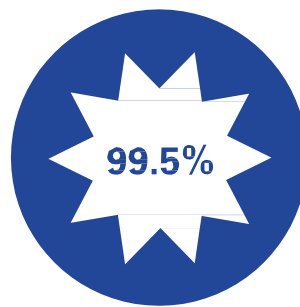


Other Applications

Sodium chlorate is used for making potassium hyper-chlorate, which is the indispensable chemical agent for manufacturing fireworks, firecrackers, safety matches, photography pharmaceutical and analytical reagent. Because of its strong oxidizing property, sodium chlorate can also be used as herbicide in agriculture, mordant in cloth dyeing industry, medicinal zinc oxide and sodium disulphide butyrate in pharmaceutical industry, tanning, oxidizer, rocket missile propellant, explosives, ore processing and seawater bromine extraction, etc.

Our Market

With years of market expansion, we already have customers from around the world, such as China, Japan, Indonesia, South Korea, Singapore and many more.



Min. 99.5%



High Purity



Constant supply all yearround



White crystallise