



D.K. CHEMICALS

Specialist In Activated Carbon

Purity Is Our Priority...



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D.K.Chemicals was established 1999 with a vision to cater all industries dealing in water treatment like ETP, WTP, STP, Inline RO water filter, Swimming Pool and Air Purifier segment as well. Leverage to our vast experience in this domain we have have been able to earn a good reputation and capture a good market share all across the country. We have a wide assortment of Coal based activated carbon (Indian & imported) and various water filter media with different specifications. We procure these materials from reliable vendors not only from India but also from Korea and other Asian countries to ensure the product quality which has been a priority for us and we do not compromise on this issue under any circumstances. Apart from quality, we strictly follow the business ethics like adhering to the delivery commitment and all necessary support & services right from order execution to delivery of the material at client's end. We also do provide all necessary information about the existing product and new product with updated technology as well. Our product comes in various grades and mesh size and we keep ready stock of all variety. All our activities run through an efficient and effective logistics network system right from procuring to dispatch of the material which helps us in smooth distribution to any part of the country or beyond the shore without any hassles.

ACTIVATED CARBON



Activated carbon, which is popularly known as activated charcoal, is a form of carbon process to have large surface area available for adsorption and chemical reactions. Due to its high degree of porosity, one gram of activated carbon has a surface area about 3,000 sq mtr. There are three forms of activated carbon :- granular activated carbon, powder activated carbon and pellet (extruded) activated carbon. GAC has relatively larger particle size compared to powder activated carbon, as a result the surface area is larger in granular carbon. The carbon we offer is applicable for different applications like ETP, STP, WWTP and for drinking water as well. This apart activated carbon is also used in medical field to treat poisoning, edible oil to treat color, agriculture, poultry feeds for removing toxins, also in food, beauty products, breweries and distilleries industries.

ANTHRACITE

Anthracite is the most metamorphosed type of coal in which the carbon content is between 92 to 98%. Anthracite is referred as hard compact variety of coal has a submetallic luster. Chemically anthracite may be considered as a transition stage between ordinary bituminous coal and graphite. Anthracite filter media are filtration materials for turbidity and ss removal. Since the specific gravity is lighter than that of filter sand, it is widely used in combination with filter sand in dual-media filtration to consist reverse grain layers after backwashing. It also has high resistance to various chemicals and higher physical strength so thus it is commonly used for industrial water purification. We can offer our clients two different grades namely Non premium and premium anthracite.



FILTER MEDIA



Filter media is widely used in water treatment for drinking, swimming pool, aqua culture, irrigation etc. It is inert to acids, alkalies & chemicals and gives good abrasion resistance. pebbles are used for exterior decoration and landscaping purposes. To filter the water for different purpose, the media size and quantity is designed based on the requirement of the quality of water to be treated. We have wide assortment of filter media namely quartz sand, coarse sand, fine sand, gravels, pebbles, silex, river sand etc. in various sizes. These materials are procured form the reliable vendors to ensure the product quality

BIRM MEDIA

Although iron and manganese is not have any reverse effect to the health, however Having excess content of the same in water can cause stains in clothes, discolor of plumbing fixtures and sometimes add a rusty taste/smell to water. Birm media acts as insoluble catalyst to enhance the reaction between dissolved oxygen (D.O.) and the iron compounds. In ground water, dissolved iron is normally in the ferrous bicarbonate state due to the excess of free carbon dioxide and is not filterable. Birm acts as a catalyst between the oxygen and soluble iron compounds, enhances the oxidation reaction of Fe^{++} to Fe^{+++} , and produces ferric hydroxide, which precipitates and easily filtered. We can offer good quality of birm media to treat iron and manganese from ground water.





MANGANESE DIOXIDE (MNO2)

Manganese oxide (MnO_2) is an inorganic compound with the formula (MnO_2). Manganese oxide/green sand is a type of natural type of manganese ore sand, which is widely used in water filtration system for iron removal. It's being economic, it is popularly for iron and manganese removal in place of birm. It is a kind of catalytic iron removal media. Its high valence Mn element can oxidize ferrous iron into ferric iron, which will produce a type of active filter film on the surface of manganese green sand to enhance its iron removal effect. We can offer MnO_2 in both mesh i.e. 4x8 and 8x16.

ACTIVATED ALUMINA

Activated alumina is manufactured from aluminium hydroxide by dehydroxylating it in a way that produces a highly porous material, which can have a surface area about 200 sq mtr/g. The compound is used as desiccant and also used as a filter of fluoride, arsenic, selenium in drinking water. Activated alumina is used for wide range of adsorbent and catalyst applications including the adsorption of catalyst in polyethylene production, hydrogen peroxide and for Sulphur removal from fluid streams.



MINERAL BALLS

Having good balanced mineral contents in the water is desirable for health. The water while going through any treatment process losses its mineral value. In order to mineralize the water further and enhance the mineral content of the water, mineral balls are used. We can offer mineral balls (Red Mineral Balls) in 25 Kg Packing.

PH BALLS

The water we used for drinking purpose should be alkaline. Alkaline water can help neutralize over-acidity in the body caused by stress, modern diet, air pollution and acidic bottled water. The PH ball that we offer is used to boost the ph to make water alkaline suitable for drinking.



ANTISCALANT BALLS

Hard water cause damage to ro membranes, filters, pipes and boilers as they contain dissolved heavy metals and salts like calcium and magnesium salts. Antiscalant Balls are like white transparent ball shaped anti scalant can be used for domestic as well as industrial use. It is designed for pretreatment of raw water to prevent scaling and inorganic polluting. We can offer good quality of Antiscalant balls that are used for protecting your domestic reverse osmosis filters.



COOLING TOWER CHEMICALS

The water used in cooling tower system can suffer from scale formation and corrosion if the water is not treated with cooling tower chemicals. This chemical is used in water for prevention of scale, corrosion and algae. Our product is designed to resolve the problem related to hard water and especially for hardness salt, formation of scale across the range of commercial, industrial and process environments. In other words using of cooling tower chemicals is profitable for the industries in terms of long run savings of power, labor to ensure smooth operation and for extending life of the machineries. We have designed the product in three different grades i.e. Corrosion Inhibitor, Descalant and Biocide.

ANTISCALANT

Antiscalant is an additive injected in water before subjecting it to reverse osmosis. It serves to delay the scaling of salts and particles such as calcium carbonate, calcium sulphate and barium sulphate. Scaling simply means the accumulation of the salt and particles on the membrane used in reverse osmosis, causing blockage. Antiscalant helps that inhibits precipitation reactions using principles like threshold inhibition, Crystal modification & dispersion. This is cheaper than water softening and thus it is the most preferred choice in RO. We manufacture and supply a full range of Antiscalant to ensure the longevity and maximum production from your RO Plant. Packaging:- 5 ltr, 10 ltr and 25 ltr



RO MEMBRANE CLEANER

The product is specially designed with High & Low PH to remove organics, silt and other deposits from all polyamide and thin film composite on membrane surface. Low ph for the removal of metal oxides, it dilutes with water easily and the solution releases membrane foulants which does not cause any harm to membrane surface. Owing to our in-depth knowledge in this domain, we are specialized in providing membrane cleaner. Packaging:- 5 ltr, 10 ltr and 25 ltr

PH BOOSTER

Known for increasing alkalinity and the pH of water, the pH booster helps in removing sludge and deposits. The pH for such is generally at 9.5-10, which prevents corrosion or rusting of RO Systems. In order to keep pace with the never-ending demands of customers, we are involved in offering a wide range of PH Booster Chemical. Packaging:- 5 ltr, 10 ltr and 25 ltr



SODIUM HEXA META PHOSPHATE (SHMP)

SHMP is Hexamer with chemical composition $(\text{NaPO}_3)_6$. It is a white odourless powder acts as cleaning agent, firming agent, flavour enhancer, sequestrant and emulsifier.Phosphate content 68%.



POLY ALUMINIUM CHLORITE (PAC)

In water purification PAC is used for coagulant as it makes more effective for destabilizing and remaining suspended materials. Since inception we have been instrumental in supplying PAC because of maintaining our quality consistently.

HEDP (HYDROXI ETHYLIDENE DI PHOSPHONIC ACID)

HEDP is an Organophosphorus Acid corrosion inhibitor. It can chelate with Fe, Cu and Zn ions to form stable chelating compounds that can dissolve the oxidised materials on these metal's surfaces. HEDP can show excellent scale and corrosion inhibition effects under temperature of 250 degree C.



SODIUM META BI SULPHATE

Also known as Sodium Pyrosulphite, which is an inorganic compound. The common usage of this product is disinfectant, Antioxidant & preservative agent. It is also used as cleaning agent in RO process to remove chloramine from drinking water.

ALUM POWDER / NON FERRIC ALUMINIUM SULPHATE

We are counted among leading supplier of Delhi for Alum Powder for the quality especially. This product is widely used in water treatment (ETP).



COPPER SULPHATE

Is a versatile chemical with an extensive uses in feed industry like agriculture of Coffee, Tea, Cardamom, Grapes, Fruits Fisheries etc. Copper sulphate is a fungicide which is used to control bacteria & fungal diseases in fruits vegetables & field crops. It is also widely used in cattle, Poultry feed Electroplating, Fertilizer & Pharma Industries.

SODIUM HYDROGEN CARBONATE / SODIUM BI CARBONATE

Commonly known as baking soda is a chemical compound with the formula NaHCO_3 . Also known as soda ash and this sodium salt of carbonic acid has high water solubility that helps in forming basic alkaline solution. It is also used as water softener that neutralizes the effects of harmful minerals in the water. It can be used in pool, spa & garden water to increase the alkalinity and maintain the Ph of the water. It has other various applications like Baking, Pest Control, Fire Extinguisher, neutralisation of acid etc.





SODIUM BI SULPHITE

Also known as Sodium Hydrogen Sulphite is a chemical compound, which is prepared by bubbling sulphur dioxide in a solution of sodium carbonate. It is used for water treatment to remove excess Chlorine in drinking water and for removing metal from industrial wastewater. Also widely used in wine to prevent oxidation and preserve flavour.

FERROUS SULPHATE

We offer excellent quality Ferrous Sulphate which is medically used to treat iron deficiency and for industrial sewage treatment.



POTASSIUM HYDROXIDE

Also known as Caustic Potash is an inorganic compound and used in a wide variety of industrial application. Food, Soaps, Dyes & Pigments, Boiler compounds, Fertiliser, Electroplating bath and even in glass industries are using Potassium Hydroxide in good quantity.

POLYELECTROLYTE

This is a synthetic flocculating and settling agent. This is a non corrosive and act as quick separation of solids and liquid. Widely used in effluent water as a coagulant, sludge settling agent in Alum, sulphate manufacturing industries, as fibre retention aid in paper Mills, clarification agent of raw water treatment, Sugar juice clarification etc.



CITRIC ACID

It is a weak organic and naturally occurred in citrus fruits. Apart from using as cleaning solution for membrane filters in waste water and water treatment it is widely used as an acidifier, as a flavouring agent for Food and beverage industries. Citric acid being excellent chelating agent, it works efficiently by chelating the metals in hard water. Citric acid is also an active ingredient for bathroom and kitchen cleaning solutions. In cosmetic industries it is used as an acidulant in creams, gels, shampoo soaps etc.

LIME POWDER

Calcium hydroxide (traditionally called slaked lime) is an inorganic compound with the chemical formula $\text{Ca}(\text{OH})_2$. It is a colorless crystal or white powder and is obtained when calcium oxide (called lime or quicklime) is mixed, or slaked with water. It has many names including hydrated lime, caustic lime, builders' lime, slack lime, cal, or pickling lime. since it is alkaline, it's often used to adjust the pH of water and soils containing acidic components. It's used to treat both drinking water and wastewater.





SODIUM HYPOCHLORITE

Commonly known as liquid bleach widely used as disinfectant and bleaching agent. Our product is designed to treat water for disinfection and oxidation and can be applicable in various industries like paper, chemical, agriculture, lime, paint, food, glass, waste disposal etc... Also used in cooling tower to prevent the growth of algae and shellfish, in water treatment sector, and for bleaching in textile industry.

BARIUM CHLORIDE

Is an inorganic compound and considered to be the most important water soluble salts of Barium. It imparts yellowish green coloration to the flame and extensively used in Textile, special type of Glass & multilayer ceramic capacitor industries.



BENZALKONIUM CHLORIDE

Is an organic salt classified as quaternary ammonium compound and type cationic surfactant. In terms of usage this is categorised as biocide, cationic surfactant and phase transfer agent. Benzalkonium has numerous usage like algaecides, preservative for pharmaceutical products, deodorant & cosmetics, Floor cleaners, Dettol, mouth wash, hand sanitizer etc.

Ammonium Chloride

It is an inorganic compound and white crystalline salt highly soluble in water. In fertilizer it is the source of Nitrogen, used in galvanising, used as expectorant in cough & systemic acidifying agent in medicine, Food additive etc.



CAUSTIC SODA

Sodium hydroxide, also known as lye and caustic soda, is an inorganic compound with the formula NaOH. Sodium hydroxide is used in many industries: in the manufacture of pulp and paper, textiles, drinking water, soaps and detergents, and as a drain cleaner.



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