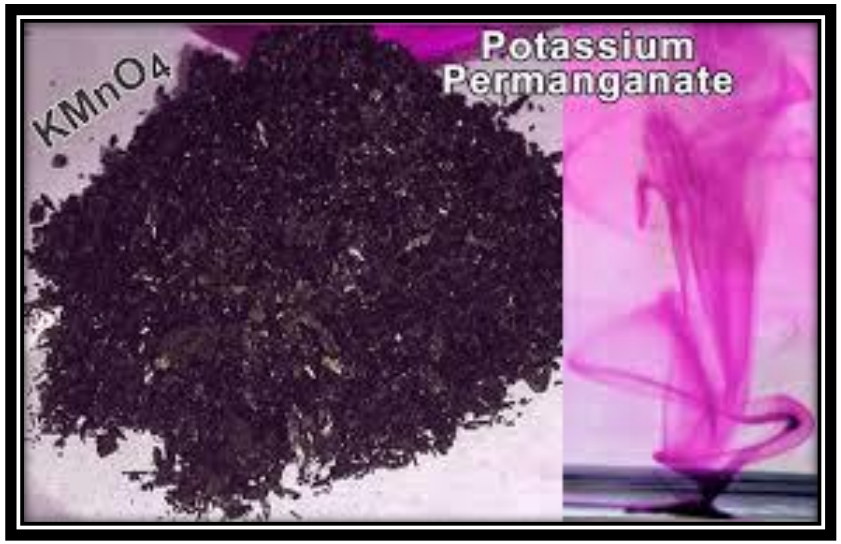
Potassium Permanganate Manufacturing Business.

Production of Potassium Permanganate Solution

Introduction

Potassium permanganate is an inorganic compound of potassium, manganese, and oxygen. It has strong oxidizing property and solubility in water. It is used in waste treatment, metal processing, chemical manufacturing and air and gas purification. Potassium permanganate is used as a bleaching and coloring agent in tanning & textile industries.



Potassium permanganate is used extensively in the water treatment industry. It is used as a regeneration chemical to remove iron and hydrogen sulfide (rotten egg smell) from well water via a "Manganese Greensand" Filter. "Pot-Perm" is also obtainable at pool supply stores and is used additionally to treat waste water.

Potassium permanganate is used by the owners of fisheries and large aquariums as a way to prevent fish from developing bacterial, fungal and parasitic diseases. This same disinfectant quality makes the compound useful to florists, who add the crystallized powder to the water of cut flowers to prevent algae growth and extend the life of the flowers.

Potassium permanganate finds varied and widespread use in the global market. In the medical sector, potassium permanganate finds application as a fungicide and antiseptic. People with pus-formation, blisters or suffering from oozing wounds are recommended a diluted potassium permanganate bath. It is also used to treat skin infections like dermatitis, eczema, and fungal infections like athlete's foot.

Potassium permanganate is used industrially as a precursor in the production of compounds, such as ascorbic acid and saccharine. Additionally, the Paint Pro website reports that designers often use a potassium permanganate solution to alter the appearance of wood surfaces significantly.

Market Outlook

The global potassium permanganate market is estimated to exhibit a CAGR of 3.0% from 2015 to 2023, reaching a valuation of US$368.1 mn by 2023.

Global potassium permanganate market is expected to grow at a significant pace over the next seven years. It is an inorganic chemical compound which has strong oxidizing property and easily dissolves in water. Potassium permanganate is added in water to remove the iron content and bacteria. This technique is highly used in water treatment plants. Growing health awareness and government initiatives to develop innovative water treatment methods is anticipated to be beneficial for the overall market growth.

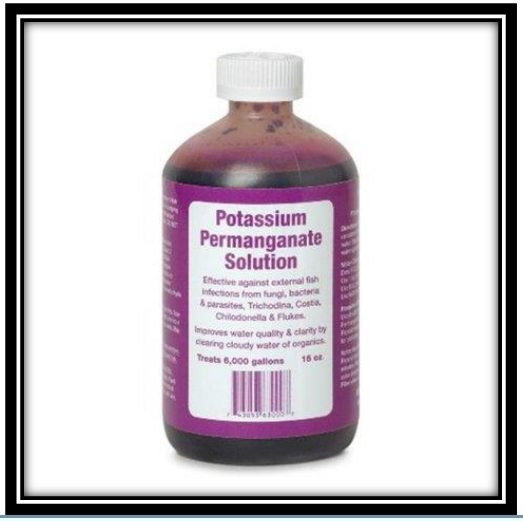
Growing population and increasing disposable income in consumers led to increase in demand for food. Potassium permanganate is used in the food preservation process. Once added, it reduces the moisture content of that food product, further reducing the chance of damage and improves shelf life.

Based on application, the global potassium permanganate market is divided into industrial, water and water treatment, and others. The waste and water treatment segment commands the dominant share in the market. Potassium permanganate is a widely used oxidant for removing hardness of water and also manganese and iron from water due to their high effectiveness and efficiency. The others (includes chemical and food processing) segment is expected to register a considerable CAGR during the forecast period, owing to the surging demand from the chemical industry in Europe and Asia Pacific.

Potassium permanganate is segmented by grade as free flowing, technical and pharmaceutical. Free flowing grade has the largest market share. Pharmaceutical grade is expected to grow during the forecast period. Potassium permanganate market is classified by application as water & waste treatment, industrial and others (including chemical processing, etc.). Water and waste treatment has the largest market share. Chemical processing is expected to be the fastest growing segment during the forecast period.

Increasing need for water treatment is estimated to propel the demand for potassium permanganate in the near future. Large number of substitute products compete with potassium permanganate for usage in its primary applications.

These substitute products are relatively economical and easily available. For instance, sodium permanganate offers higher solubility and can be used readily in the liquid form vis-à-vis potassium permanganate. This helps avoid handling problems such as dusting. Thus, presence of substitutes is expected to hamper the demand for potassium permanganate in the near future. Nonetheless, increasing demand for aquaculture is anticipated to open new avenues for the potassium permanganate market.



Potassium permanganate when mixed with anti-freeze agent from car radiators or glycerin reacts to create fire. This chemical is used in fire starter kits in automobiles. Growing automotive industry is thus expected to drive the global market demand. Medicine industry has immense use for potassium permanganate, is expected to witness significant growth over the forecast period. It is used in various medicines for the treatment of canker sores, dermatitis and mild pompholyx.

It is also used in hand sanitizers because of high oxidizing and antiseptic characteristics. Growing awareness for cleanliness and knowledge about the benefits of using hand sanitizers regularly is anticipated to be beneficial for the overall market growth. It is also used in histology for bleaching melanin to obscure the tissue detail.

Potassium permanganate comes in handy for a wide range of applications across a multitude of industries. Potassium permanganate is extensively used for the treatment for waste water across towns and cities. Since the government has initiated several operations for the treatment of sewage and canal water, the demand within the global market for potassium permanganate has reached unprecedented levels. Furthermore, the growth of aquaculture across several regions has also aided the growth of the market and has created lucrative opportunities for market players.

The chemical industry is virtually the largest consumer of potassium permanganate for several processes, reactions, and experiments. Metal processing has emerged as an important industry that has driven economic growth of regions.

Since potassium permanganate is widely used across the metal processing industry, the demand within the global market has grown by leaps and bounds.

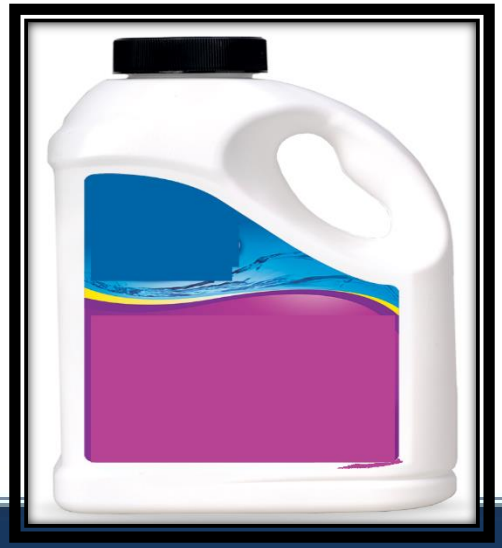
In the textiles industry, potassium permanganate is extensively used as a bleaching agent. It is used in the bleaching process of polyester fabrics, cotton fabrics, and jeans. It is used to provide denim effects in the fabric. Also, due to its powerful oxidation property, it is preferred in the textiles industry. When compared to conventional bleaching agents, potassium permanganate is considered economical. Also, potassium permanganate does not affect the dye uptake values adversely like other conventional bleaching agents.

Due to the increase in the demand for fabrics, changing fashion trends, affordability of buying clothes due to the rise in the disposable income, and the rise in the standard of living the global textiles market is anticipated to grow significantly.

One trend in the market is growth in the pharmaceutical industry. Potassium permanganate is used in pharmaceuticals extensively, due to its oxidation and antiseptic properties. It is used in treating diseases such as skin diseases, fungal infection, healing wounds, and hair dye allergies. The growing demand of potassium permanganate in food processing and automotive industries is also expected to boost the market demand. The key constraints hampering the growth of this market are availability of cheaper substitutes such as sodium permanganate and health hazards associated with production of potassium permanganate.

Geographically, this market has been segmented into regions such as North America, Europe, Latin America, Asia Pacific and the Middle East & Africa.

The key players operating in Potassium Permanganate market are Carus Corporation, Chongqing Chagyuan Group Limited, Groupstars Chemical L.L.C., Zunyi Shuangyuan Chemical Group Co., Ltd., Organic Industries Pvt. Ltd, Libox Chem Pvt. Ltd., Guangdong Meixian Hanghai Manganese Chemical Plant, and Universal Chemicals & Industries Pvt. Ltd.



Major Queries/Questions Answered in the Report?

1. What is Potassium Permanganate Manufacturing industry ?

2. How has the Potassium Permanganate Manufacturing industry performed so far and how will it perform in the coming years ?

3. What is the Project Feasibility of Potassium Permanganate Manufacturing Plant ?

4. What are the requirements of Working Capital for setting up Potassium Permanganate Manufacturing plant ?

5. What is the structure of the Potassium Permanganate Manufacturing Business and who are the key/major players ?

6. What is the total project cost for setting up Potassium Permanganate Manufacturing Business?

7. What are the operating costs for setting up Potassium Permanganate Manufacturing plant ?

8. What are the machinery and equipment requirements for setting up Potassium Permanganate Manufacturing plant ?

9. Who are the Suppliers and Manufacturers of Plant & Machinery for setting up Potassium Permanganate Manufacturing plant ?

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11. Who are the Suppliers and Manufacturers of Raw materials for setting up Potassium Permanganate Manufacturing Business?

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27. What are the Market Opportunities for setting up Potassium Permanganate Manufacturing plant?

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Tags

#Potassium_Permanganate, #Potassium_Permanganate_Formula, #How_to_Make_a_Potassium_Permanganate Solution, #Manufacture_of_Potassium_Permanganate, Process for Producing Potassium Manganite, Preparation of Potassium Permanganate, #Production_of_Potassium_Permanganate, Process for Production of Potassium Manganite, #Potassium_Permanganate_Manufacturing_Plant, Potassium Permanganate Manufacture in India, #Potassium_Permanganate_Production, Potassium Permanganate Plant, Potassium Permanganate Manufacture, #Potassium_Permanganate_Industry, Manufacturing Process of Potassium Permanganate, Potassium Permanganate Manufacturing, Inorganic Compound, Chemical Manufacturing, Chemical Industry, Chemical Manufacturing Industry, Highly Profitable Chemical Business Ideas, How to Start a Small Chemical Industry, Chemical Business Ideas & Opportunities, #Project_Report_on_Potassium_Permanganate_Manufacturing_Industry, Detailed Project Report on Potassium Permanganate Industry, Project Report on Potassium Permanganate Manufacturing Industry, Pre-Investment Feasibility Study on Potassium Permanganate Industry, Techno-Economic feasibility study on Potassium Permanganate Manufacturing Industry, #Feasibility_report_on_Potassium_Permanganate_Industry, Free Project Profile on Potassium Permanganate Manufacturing, Project profile on Potassium Permanganate Manufacturing Industry, Download free project profile on Potassium Permanganate Manufacturing

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