# Market Analysis:  Manganese Oxide(MnO) Market, UreaFormaldehyde Concentrate Market,Oxygen Barrier PipesMarket till 2030

*Market Analysis:  Manganese Oxide (MnO) Market, Urea Formaldehyde Concentrate (UFC) market and Oxygen Barrier PipesMarket forecasted for 2023-2030*

SEATTLE, WASHINGTON, USA, July 3, 2023 /EINPresswire.com/ -- The Manganese Oxide (MnO) Market is expected to grow from USD 183.50 Million in 2022 to USD 256.50 Million by 2030, at a CAGR of 4.90% during the forecast period.The global market for Manganese Oxide (MnO) is steadily growing due to a rise in demand from a wide range of industries. Manganese Oxide is used in the production of dry cell batteries, fertilizers, animal feed supplements, ceramics, paints, and other applications. The market is driven by increasing demand for dry cell batteries and the growing use of MnO in the agriculture sector. The agricultural industry is using MnO as a supplement to livestock feed, which is increasing livestock yields and improving animal health. Additionally, the rising demand for ceramics and paints is also boosting the market for Manganese Oxide.

Manganese oxide (MnO) is available in four different types:

- Chemical Grade
- Fertilizer Grade
- Feed Grade
- Battery Grade.

Chemical grade MnO is primarily used in the production of various chemicals and pigments, while fertilizer grade is used as a micronutrient in agriculture to promote plant growth. Feed grade, on the other hand, is primarily used as a dietary supplement for animals, and battery grade is used in the manufacture of lithium-ion batteries.

Manganese oxide (MnO) finds extensive application in various fields such as agriculture feed, fertilizer, chemical industry, and battery industry. In agriculture, MnO acts as a micronutrient that helps in the growth and development of plants. It is also used as a fertilizer to prevent Mn deficiency in crops. In the chemical industry, MnO is used as a catalyst for various chemical reactions, as a pigment in paints and ceramics. In the battery industry, MnO is used as a cathode material for its excellent electrochemical properties.

The manganese oxide market is expected to experience significant growth in the NA, APAC, Europe, USA, and China regions. The increasing demand for dry batteries and the utilization of manganese oxide in water treatment systems are expected to drive the market's growth. The development of new technologies, such as MnO-based nanocomposites, is projected to further expand the use of manganese oxide in the medical and energy sectors. Additionally, the burgeoning demand for fertilizers in China and India is likely to propel market growth in the APAC region. Moreover, the rising demand for steel in developed countries is likely to fuel the demand for manganese oxide further.

The global manganese oxide (MnO) market is highly competitive, and the key players operating in this market are GoodEarth India, Prince (ERACHEM Comilog), Manmohan Minerals & Chemicals, Nagpur Pyrolusite, Manganese Products Corporation, Fermavi, Multitecnica, Vipra Ferro Alloys Private, Tosoh Hyuga Corporation, MnChemical Georgia, HMP Minerals, Jyoti Dye-Chem, Metallics Mine-chem Private, RMCPL Group, Universal Chemicals, Superfine Minerals, Narayana Minerals, Produquimica (Compass Minerals), Hunan Fenghua Materials, Guangxi Menghua Technology, and Autlan.

The sales revenue figures of a few of the above-listed companies are:

- Prince (ERACHEM Comilog): USD 231.6 million (2019)
- Produquimica (Compass Minerals): USD 1.2 billion (2018)
- Nagpur Pyrolusite: USD 82.2 million (2019)
- Manmohan Minerals & Chemicals: INR 2.5 billion (2019)
- Metallics Mine-chem Private: INR 1.1 billion (2019)

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The Urea Formaldehyde Concentrate (UFC) Market is expected to grow from USD 527.80 Million in 2022 to USD 674.00 Million by 2030, at a CAGR of 3.20% during the forecast period.The Urea Formaldehyde Concentrate (UFC) target market comprises of various end-use industries such as automotive, construction, textile, packaging, and furniture among others. The demand for UFC is primarily driven by its excellent bonding properties, high mechanical strength, and durability. In the construction industry, UFC is used as an adhesive to bond plywood, particleboard, and other wood-based products. The increasing demand for eco-friendly building materials is also driving the growth of the market as UFC is a low formaldehyde-emitting product that meets regulatory standards.

There are different types of UFC available in the market, such as:

- UFC 85
- UFC 80
- UFC 75

These types differ from each other in terms of their formaldehyde content, viscosity, and solids content, among other characteristics. For example, UFC 85 has a higher formaldehyde content and viscosity compared to UFC 75, which makes it suitable for applications requiring high bonding strength.

Urea Formaldehyde Concentrate (UFC) is widely used in the production of UF resins, fertilizers, and many other applications. UF resins are commonly used in industries for manufacturing laminated boards, MDF, particle boards, and other composite wood products. UFC is used as a raw material in the manufacturing of UF resins, which gives them good physical properties, such as high strength, water resistance, and dimensional stability. In the production of fertilizers, UFC is mixed with other components to create nitrogen fertilizers that are used as a source of plant nutrients

The key players operating in the market are Metafrax, Togliattiazot, Advachem, Shchekinoazot, Hexion, Foremark, Fars Chemical, Georgia-Pacific, OFCC, Sprea Misr, Polisan Kimya, KARPATSMOLY, Jilin Forest, Jam Pars Formalin, and Shreenathji Rasayan.

Metafrax and Togliattiazot reported sales revenue of $1.72 billion and $1.52 billion, respectively, in 2019. Georgia-Pacific reported sales revenue of $6.80 billion in 2019. These figures signify the growth potential of the UFC market and the market presence of these companies.

In terms of market share, the Asia-Pacific region is expected to hold the highest market share of around 40% to 50% during the forecast period, followed by North America and Europe with market shares of around 25% and 20%, respectively. Other regions such as the Middle East and Africa and Latin America are also expected to witness growth in the UFC market, mainly due to the increasing demand for construction materials and resins.

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The Oxygen Barrier Pipes Market is expected to grow from USD 1.70 Billion in 2022 to USD 2.10 Billion by 2030, at a CAGR of 3.30% during the forecast period.The Oxygen Barrier Pipes market caters to industries such as construction, plumbing, and heating. With the increasing demand for corrosion-resistant and durable pipes, the market is expected to grow significantly in the coming years. The major factors driving revenue growth of the Oxygen Barrier Pipes market include the rising demand for high-performance pipes and increasing investments in infrastructure development.

The latest trend in the Oxygen Barrier Pipes market is the adoption of advanced materials for manufacturing pipes, which provide better insulation and higher resistance to deformation, thereby enhancing the overall performance of the pipes.

There are three main types of Oxygen Barrier Pipes in the market –

- PE-RT (Polyethylene Raised Temperature)
- PEX (Cross-Linked Polyethylene)
- PB (Polybutylene) Oxygen Barrier Pipes.

PE-RT Oxygen Barrier Pipes have high-temperature resistance and good flexibility, making them ideal for underfloor heating and radiator connections. PEX Oxygen Barrier Pipes are highly durable, with excellent resistance to chemicals, temperature and pressure, and are primarily used in plumbing systems. PB Oxygen Barrier Pipes have high flexibility and can be easily bent to fit tight spaces, making them ideal for underfloor heating systems and wall-mounted radiators.

Oxygen barrier pipes are used in both residential and commercial applications. In residential homes, these pipes are used for heating systems such as radiant floor heating, baseboard heating, and snow and ice melting systems. They are also used in hot and cold water distribution systems. In commercial applications, oxygen barrier pipes are used in radiant heating and cooling systems, primary and secondary piping, and HVAC systems, among others.

The report suggests that the North American market will account for the largest market share of about 38%, followed by Europe with a share of about 33%. The Asia Pacific region is also expected to experience significant growth in the Oxygen Barrier Pipes market owing to the increasing demand for the product in the residential and commercial construction activities. The market share percent valuation of the Oxygen Barrier Pipes market is expected to be about 38% in North America, 33% in Europe, 24% in the Asia Pacific, and 5% in the rest of the world.

The major players operating in the Oxygen Barrier Pipes Market are Wavin, Uponor, GF Piping Systems, Rehau, Hewing GmbH, Pipelife, SharkBite, HakaGerodur, NIBCO, Plumb Fast, Pexgol, IVT GmbH & Co.KG, Roth Industries, KUPP, Danfoss, Aquatherm, HongYue Plastic Group, China Lesso Group, Oventrop, Sioux Chief, and Zhejiang Weixing. These companies play a crucial role in the growth of the Oxygen Barrier Pipes Market.

The sales revenue figures of the above-mentioned companies are as follows:

- Wavin - €1.4 billion
- Uponor - €1.2 billion
- GF Piping Systems - CHF 1.57 billion
- Rehau - $3.5 billion
- Hewing GmbH - €20 million
- Pipelife - €814 million
- SharkBite - $74.7 million
- HakaGerodur - CHF 90 million
- NIBCO - $1.3 billion
- Plumb Fast - $10 million
- Pexgol - $25 million

- IVT GmbH & Co.KG - €6 million
- Roth Industries - €200 million
- KUPP - £48 million

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