

Portfolio of Products & Services

Kian Nano Karno co. Solutions

Kian Nano Karno
Ltd. CO

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۱- THE COMPANY

۱-۱- Introduction to Kian Nano Karno

Kian Nano Karno is a distinguished organization with a Three-years legacy at the forefront of nanotechnology, as well as the oil, gas, petrochemical industries, and advanced technologies. Founded on the core tenets of innovation, excellence, and sustainability, our company has swiftly cemented its position as a pioneering entity in the convergence of cutting-edge technologies with essential industrial sectors.

Specializing in harnessing the transformative capabilities of nanotechnology, Kian Nano Karno is deeply committed to reshaping conventional approaches to challenges within the domains of oil, gas, and petrochemical industries. Through an unwavering dedication to research, development, and service provision, we have embarked on a mission to redefine boundaries and catalyze transformative change within these critical sectors.

In an era marked by rapid technological evolution that fundamentally shapes the future of industries, Kian Nano Karno shines as a beacon of progress and innovation. By leveraging our specialized expertise, fostering a culture of innovation, and nurturing strategic collaborations with key stakeholders, we are actively leading the charge towards sustainable solutions and heightened efficiency in the spheres of nanotechnology and energy.

Continuing to push the envelope of possibility in nanotechnology and industrial applications, Kian Nano Karno remains resolutely committed to delivering value to our esteemed clientele, partners, and the broader industry landscape. Through a seamless fusion of visionary foresight, technical acumen, and an unwavering pursuit of excellence, our organization is poised to architect a future where innovation and cutting-edge technologies drive sustainable growth and catalyze transformative change.

Join us on this transformative journey of exploration, discovery, and advancement as we embark on a mission to redefine the landscape of nanotechnology, oil, gas, and petrochemical industries, heralding a future characterized by sustainable progress and visionary excellence for all stakeholders.

۱-۲- Kian Nano Karno Business

Kian Nano Karno is actively engaged in pioneering initiatives within the fields of nanotechnology, oil, gas, petrochemical industries, and advanced technologies, positioning itself as a leading entity within these critical sectors. As a two-year-old establishment, the company has swiftly established a reputation for innovation, excellence, and sustainable practices in its operational endeavors.

In the domain of nanotechnology, Kian Nano Karno is focused on leveraging cutting-edge research and development to create transformative solutions with applications in various industries. By harnessing the unique properties of nanomaterials, the company seeks to enhance efficiencies, reduce environmental impact, and drive technological advancement across diverse sectors.

Within the oil, gas, and petrochemical industries, Kian Nano Karno is actively involved in developing specialized solutions that optimize operations, improve productivity, and enhance sustainability practices. By integrating advanced technologies and innovative approaches, the company

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aims to address industry challenges, foster operational excellence, and contribute to the overall efficiency of these vital sectors.

Moreover, Kian Nano Karno's commitment to advanced technologies extends beyond nanotechnology, encompassing a wide range of innovative practices aimed at driving progress and facilitating growth. Through strategic partnerships, continuous research, and a focus on sustainable practices, the company is actively shaping the future of technology-driven solutions in key industrial domains.

As Kian Nano Karno continues to expand its presence and influence within these sectors, its dedication to excellence, customer-centric solutions, and industry-leading innovations remains unwavering. With a strong emphasis on collaboration, research excellence, and operational efficiency, the company is poised to further advance its position as a key player in shaping the future of nanotechnology, oil, gas, petrochemical industries, and advanced technologies.

۱-۳- Kian Nano Karno's Team

Board of Directors	Technology and Innovation Unit	Research and Development Department
		Information Technology Department
		Product Engineering Department
	Operations and Commercial Unit	Product development Department
		Marketing and Sales Department
		Customer Support Department
	Financial and administrative unit	Finance & Accounting Department
		Human Resources Department
		Legal & Contracts Department
	Project Management Unit	Innovation & Development Department
		Quality Control Department
		Project Manegment Department

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١-٤- Our Vision



Our vision at Kian Nano Karno is to be the foremost innovator and industry leader at the convergence of nanotechnology, oil, gas, petrochemical industries, and advanced technologies. We aspire to drive transformative change, pioneer cutting-edge solutions, and set new benchmarks for excellence in the sectors we operate in. By fostering a culture of innovation, sustainability, and strategic growth, we aim to shape a future where technological advancements empower sustainable development and redefine industry standards.

١-٥- Our Mission



At Kian Nano Karno, our mission is to spearhead innovation, excellence, and sustainable practices in the fields of nanotechnology, oil, gas, petrochemical industries, and advanced technologies. Through cutting-edge research, development, and service provision, we are committed to delivering transformative solutions that enhance operational efficiencies, drive technological advancement, and promote sustainable practices across industries. With a focus on collaboration, continuous improvement, and customer-centric values, we strive to be a catalyst for positive change, setting new industry standards and fostering a future where innovation and sustainability converge for the benefit of all stakeholders.

١-٦- Our Values



At Kian Nano Karno, we uphold a steadfast commitment to excellence, integrity, and innovation in all our endeavors. Our core values revolve around delivering superior quality, fostering strong relationships, understanding and anticipating the needs of our stakeholders, and promoting a culture of responsibility and accountability. With a focus on continuous improvement, ethical practices, and a dedication to creating sustainable value, we are

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driven by a passion for excellence and a relentless pursuit of innovation in all aspects of our operations.

۱-۷- Our Business Model and Commercialization Strategy

Kian Nano Karno Co., a pioneer in innovation and development of nanotechnology-based solutions, operates with a focus on three key areas:

➢ Nanotechnology

Research and development of high-performance nanomaterials and coatings to enhance efficiency and sustainability across various industries. Providing consulting and engineering services for nanotechnology transfer to diverse industries.

Manufacturing and supplying high-quality nanotechnology products to customers worldwide.

➢ Oil, Gas, and Petrochemical Industry

Developing and delivering innovative nanotechnology solutions for the challenges faced by the oil, gas, and petrochemical industry, including boosting production efficiency, reducing energy consumption, and protecting the environment.

Collaborating with leading companies in this industry to provide customized nanotechnology solutions.

Offering technical services and support to ensure optimal performance of nanotechnology solutions.

➢ Advanced Technologies

Exploring novel applications of nanotechnology in various fields, including medicine, pharmaceuticals, electronics, and water purification.

Developing and commercializing nanotechnology-based products and services in these areas.

Partnering with universities, research centers, and leading companies to advance cutting-edge technologies.



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➢ Kian Nano Karno Co.'s business model is built upon the following pillars

- ❖ Innovation: Focusing on continuous research and development to create innovative and advanced nanotechnology solutions.
- ❖ Collaboration: Partnering with key industry players to provide comprehensive and effective solutions.
- ❖ Customer Centricity: Committing to providing high-quality services and excellent customer support.
- ❖ Sustainability: Developing environmentally friendly and sustainable nanotechnology solutions.

Driven by its commitment to innovation, collaboration, and customer centricity, Kian Nano Karno Co. aspires to be recognized as a global leader in providing cutting-edge nanotechnology solutions.

۱-۸- Business Growth and Commercialization Opportunities

Kian Nano Karno Co., with its focus on innovation, collaboration, and customer centricity, is well-positioned for growth and expansion in both domestic and international markets. Some of the key opportunities for growth include:

➢ Rising Demand for Nanotechnology Solutions

The growing demand for nanotechnology solutions across various industries, including oil, gas, and petrochemical, medical, pharmaceutical, electronics, and water purification, presents significant opportunities for Kian Nano Karno Co. to develop and offer new products and services.

➢ New Market Expansion

Entering new and emerging markets, such as developing economies or high-growth potential markets, can help Kian Nano Karno Co. increase its market share and profitability.



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➢ Strategic Collaborations

Forming strategic alliances with leading companies in various industries, universities, and research institutions can facilitate knowledge and technology exchange, lead to the development of new products and services, and provide access to new markets.

➢ Investment in Research and Development

Increased investment in research and development to create innovative and advanced nanotechnology solutions will give Kian Nano Karno Co. a significant competitive edge.

➢ Human Resource Development

Attracting and retaining talented individuals with expertise in nanotechnology, engineering, marketing, and sales is crucial for Kian Nano Karno Co.'s long-term success and growth.

➢ Branding and Marketing based on Nanothechnology

Investing in branding and marketing to increase awareness of Kian Nano Karno Co.'s brand name, products, and services among potential customers will play a key role in capturing market share and boosting sales.

➢ Commitment to Sustainability

Developing environmentally friendly and sustainable nanotechnology solutions will not only contribute to environmental protection but can also serve as a competitive advantage for Kian Nano Karno Co., attracting customers and partners committed to sustainability.

By capitalizing on these opportunities and focusing on appropriate growth and development strategies, Kian Nano Karno Co. can establish itself as a global leader in providing cutting-edge and sustainable nanotechnology solutions, creating value for its stakeholders, including shareholders, employees, customers, and society.

Kian Nano Karno Co. in 5 bullets

Kian Nano Karno
Ltd. CO

- ❖ Nanotechnology Innovator
- ❖ Oil, Gas, and Petrochemical Experts
- ❖ Advanced Technologies Pioneer
- ❖ Collaboration Committed
- ❖ Customer Centric

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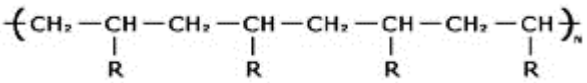
۲- PRODUCTS AND SERVICES

۲-۱- Drag Reducing Agents (DRA)

Drag Reducing Agent (DRA) is used in crude oil and refined product pipelines to increase the flow rate or reduce the required pressure for a certain flow rate (pumping energy consumption). Pipeline capacity can be increased instantly. Pumping energy consumption also can be reduced quickly from 40% to 60% by adding our DRA on ppm level into a pipeline.

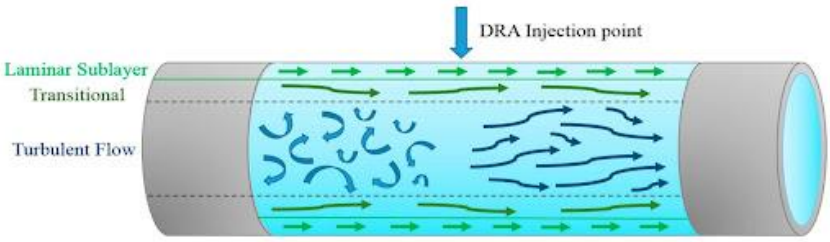
۲-۱-۱- Active Ingredient in DRA

The active ingredient in Drag Reducer is an ultra-high molecular weight Poly Alpha Olefin (PAO). The general chemical formula is shown in the figure below. R indicates carbon chains of various lengths. N specifies how many times the unit in parenthesis is repeated. It is around 100,000. The MW of drag reducer agent is about tens of millions.



۲-۱-۲- The Mechanism of Drag Reducing Agent (DRA)

When the drag reducer dissolves in crude oil, polymer molecules begin to uncoil and outspread as they interact with the pipeline flow. The long-chain molecules can dampen turbulent bursts near the pipe wall as tiny shock buffers. This dampening effect and frictional pressure loss will bring a decrease in energy consumption or an increase in flow rate.



INNOVATE

Our dedicated engineers, through their relentless efforts, have successfully redesigned the chemical formula of this material and have registered the design as a patent with the registration number 110981.

Our DRA BRAND

- **ProFlo-Force 120-200**

Benefits & Efficiency

- Reduced Pumping Costs
- Increased Throughput
- Extended Pipeline Lifespan
- Improved Flow Assurance
- Environmental Benefits
- Green and environmentally friendly
- In Overall, drag reducing agents are a valuable tool for pipeline operators seeking to improve efficiency, reduce costs, and enhance the overall performance of their infra-structure.

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۲-۱-۳- A Typical DRA Injection Operation

Drag Reducing Agent is usually injected into pipelines at the discharge side of the main pipeline pump. A positive displacement pump with higher pressure than the main pipeline is used to inject DRA. Drag reduction will begin once this polymer begins to dissolve in oil. DRA will not dissolve completely before several miles traveling downstream the pipeline.

When dissolved DRA chemical polymer passing through the main pipeline pump, it will be broken down or sheared. Sheared drag reducing agent polymer will perform little or no drag-reducing effect. Low-level polymer shear also occurs in some other occasions, like dissolved polymer is subjected to the natural shear forces of turbulent flow in a pipeline.

A multi-station pipeline needs Drag Reducer injection points beside each mainline pump in order to achieve complete output increase.

۲-۱-٤- Our Crude Oil Drag Reducing Agent ProFlo-Force

This product is PAO-Base drag reducer agnet, it is characterized by high flash point, over 89 ℃, and low pour point, lower than -29 ℃, almost no special smell, good environmental protection.



۲-۱-٥- Product Description

The main components of the product are polyalkene polymer and mixed fatty oil suspension. Easy to store and use.

This product is characterized by high flash point, over 89 ℃, almost no special smell, good environmental protection. The product is applicable to the oil temperature in the oil pipeline exceeding 20 ℃.

The usual filling concentration is ≥ 15ppm.

By adding a small amount of friction reducing agent (ppm level) into the pipeline, the physical effect will be eliminated, the turbulence of high-speed fluid will be eliminated, the friction of the extended range

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will be reduced, and finally the purpose of increasing the pipeline transportation capacity and reducing the pipeline operation pressure will be achieved.
The performance of the drag reducer is greatly affected by the pipeline working condition. The delivery rate of the drag reducer in the factory inspection only represents the data of the drag reducer on the factory's experimental pipeline. The actual value shall be subject to the local test data.

❖ ProFlo-Force K-120 Data Sheet

ProFlo-Force K-120 is a slurry composed of long chain poly aloha olfin in normal paraphine designed for cold weather applications.

۲-۱-۶- TYPICAL PROPERTIES

Apperance:	White free flowing liquid
Physical State:	Polymer suspension
Odor:	Slight hydrocarbon
Special Gravity:	0.88-0.92
Flash Point:	89 ℃
Pour Point:	>-30
Solubility:	Hydrocarbon soluble, water insoluble
Operating Range:	-40 ℃ to 80 ℃

۲-۱-۷- Shipping & Handling

All types of ProFlo-Force are a non-hazardous material and can be shipped accordingly. The product is very slippery and spills should be cleaned up immediately to avoid potential injury. Product should be kept in covered areas, with no exposure to direct sunlight.



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۲-۲- Potassium Ferrate (K_2Feo_4)

Potassium Ferrate (K_2FeO_4): A Potent Oxidant with Diverse Applications also known as potassium ferryl ferrate or potassium hexafluoroferrate(IV), is a unique inorganic compound belonging to the rare class of iron(VI) compounds. Unlike most iron-containing materials, where iron exhibits oxidation states of +2 or +3 (Fe^{2+} or Fe^{3+}), potassium ferrate features iron in its highest oxidation state (+6, Fe^{6+}). This unique characteristic imbues potassium ferrate with remarkable oxidizing power, making it a subject of significant scientific interest and exploration across various fields.

۲-۲-۱- Chemical and Physical Properties

Formula	K_2FeO_4
Molar Mass	198.04 g/mol
Appearance	Dark purple crystalline solid
Solubility	Soluble in highly concentrated alkaline solutions (e.g., 1M KOH)
Oxidation State	Iron (+6, Fe^{6+})
Key Feature	Strong Oxidizing Power or liquid

The high oxidation state of iron in K_2FeO_4 grants it exceptional oxidizing capabilities. When potassium ferrate interacts with a reductant (electron donor), it readily undergoes reduction, typically to iron(III) oxyhydroxide (FeOOH). This electron transfers process enables potassium ferrate to oxidize a wide range of organic and inorganic compounds.

۲-۲-۲- Applications under Exploration at Kian Nano Karno co.

Potassium ferrate's potent oxidizing properties have led to its investigation in various fields, including:

I. **Water and Wastewater Treatment**: Potassium ferrate can act as a disinfectant by inactivating bacteria, viruses, and other microorganisms. It also demonstrates efficacy in degrading organic contaminants and removing undesirable taste and odor compounds.
II. **Environmental Remediation**: K_2FeO_4 shows promise in the remediation of soil and groundwater contaminated with pollutants like arsenic and chromium.

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III. **Material Science**: The oxidizing and coagulating properties of potassium ferrate are being explored for surface modification and treatment of materials.

IV. **Biomedical Applications**: Research is ongoing to investigate the potential of potassium ferrate in wound disinfection and cancer treatment due to its cytotoxic (cell-killing) properties.

۲-۲-۳- Kian Nano Karno Current Research Focus

While potassium ferrate presents considerable potential, ongoing research focuses on several key areas:

A. **Optimizing Synthesis Methods**: Developing more efficient and cost-effective methods for potassium ferrate production is crucial for broader utilization.

B. **Improving Reaction Mechanisms**: Gaining a deeper understanding of the underlying chemical reactions involved in potassium ferrate's oxidizing processes will help tailor its application for specific purposes.

C. **Optimizing Environmental Safety Action**: Thorough assessment of the environmental impact and potential risks associated with potassium ferrate is essential for responsible development and use.

INNOVATE

Our dedicated engineers, through their relentless efforts, have successfully redesigned the chemical formula of this material and have registered the design as a patent.

Our Product BRAND

- **FerrFlx-Pro**

Benefits & Efficiency

- Broad-Spectrum Oxidation
- Rapid Action
- Less Unlike Minimal Byproducts
- High Coagulation Ability
- Specificity
- Dosage Optimization
- Low Residual Levels
- Green Chemical Action

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۲-۲-٤- Comparative of Efficiency and Oxidation

Comparative Table of Efficiency and Oxidation between Potassium Ferrate and Other Common Coagulants and Oxidants

Criterion	Potassium Ferrate (K_2FeO_4)	Chlorine	Aluminum Sulfate	Potassium Permanganate	Ozone
Oxidation Efficiency	Strong	Moderate	Weak	Strong	Strong
Broad Oxidation Spectrum	Organic and inorganic	Mostly organic	Mostly inorganic	Mostly organic	Mostly organic
Reaction Rate	Fast	Fast	Moderate	Fast	Moderate
Byproducts	Low and harmless	Harmful (chlorides)	Low and harmless	Low and harmless	Oxygen
pH Dependence	Optimal in alkaline pH	Optimal in neutral to slightly acidic pH	Optimal in acidic pH	Optimal in neutral pH	Optimal in neutral pH
Cost	Moderate	Low	Low	Moderate	High
Safety	Relatively safe	Toxic	Non-toxic	Relatively safe	Relatively safe
Applications	Disinfection, water treatment, soil remediation	Disinfection, water treatment	Water treatment	Disinfection, soil remediation	Water treatment, air remediation

Parameter	Description	Example Values
Redox Potential (E°)	Measures the tendency of a substance to gain or lose electrons.	* Chlorine: +1.36 V * Ozone: +2.07 V * Hydrogen peroxide: +1.48 V
Standard Reduction Potential (E°red)	Represents the potential of a substance to accept electrons under standard conditions.	* $Fe^{3+} + e^- \rightarrow Fe^{2+}$: +0.77 V * $MnO_4^- + e^- \rightarrow MnO_2(s)$: +1.51 V * $Cr_2O_7^{2-} + 2e^- \rightarrow 2Cr^{3+}$: +1.33 V
Oxygen Transfer Efficiency (OTE)	Measures the efficiency of oxygen transfer.	* Potassium ferrate (K_2FeO_4): 90-95% * Ozone (O_3): 80-90% * Hydrogen peroxide (H_2O_2): 50-70%
Selectivity	Ability to target specific compounds for oxidation.	* Potassium ferrate: Oxidizes a wide range of organic and inorganic compounds. * Ozone: Primarily targets organic compounds. * Hydrogen peroxide: Oxidizes both organic and inorganic compounds, but can be less selective.

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Table of Disinfectants, Reactions, and Redox Potentials (E°)

Disinfectant/Oxidant	Reaction	E° (V)
Chlorine (Cl_2)	$2Cl_2 + 2e^- \rightarrow 2Cl^-$	+1.36
Hypochlorite (HClO)	$HClO + 2H^+ + 2e^- \rightarrow Cl^- + H_2O$	+1.50
Chlorine dioxide (ClO_2)	$ClO_2 + e^- \rightarrow ClO^-$	+1.56
Perchlorate (ClO_4^-)	$ClO_4^- + 8H^+ + 8e^- \rightarrow Cl^- + 4H_2O$	+0.85
Ozone (O_3)	$O_3 + 2H^+ + 2e^- \rightarrow O_2 + H_2O$	+1.52
Hydrogen peroxide (H_2O_2)	$H_2O_2 + 2H^+ + 2e^- \rightarrow 2H_2O$	+1.77
Dissolved oxygen (O_2)	$O_2 + 4H^+ + 4e^- \rightarrow 2H_2O$	+1.23
Permanganate (MnO_4^-)	$MnO_4^- + 8H^+ + 5e^- \rightarrow Mn^{2+} + 4H_2O$	+1.51
Ferrate(VI) (FeO_4^{2-})	$FeO_4^{2-} + 8H^+ + 6e^- \rightarrow Fe^{2+} + 4H_2O$	+2.07

Indeed, as you can observe, ferrate exhibits a higher reduction number. Consequently, under appropriate conditions of stability and performance, it emerges as the most favorable option for secondary wastewater treatment.

۲-۲-۵- FerrFlx-Pro: A Solution for Advanced Water Treatment

➢ Introduction

Water scarcity and contamination pose significant challenges to global sustainability and public health. Conventional water treatment methods, while effective to a certain extent, often struggle to address emerging contaminants and meet increasingly stringent water quality standards. In this context, potassium ferrate (K_2FeO_4) has emerged as a promising alternative oxidant for water treatment due to its powerful oxidizing ability, broad-spectrum efficacy, and environmental friendliness.



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۲-۲-۶- Introducing FerrFlx-Pro



FerrFlx-Pro is a revolutionary potassium ferrate-based solution developed by Kian Nano Karno, specifically designed to address the challenges of modern water treatment. This innovative product harnesses the exceptional oxidizing power of potassium ferrate to effectively remove a wide range of contaminants, including:

A. Organic matter: FerrFlx-Pro efficiently degrades organic compounds, including humic substances, pharmaceuticals, and personal care products, improving water quality and reducing the formation of harmful disinfection byproducts.
B. Inorganic contaminants: FerrFlx-Pro effectively removes inorganic contaminants such as iron, manganese, and arsenic, ensuring compliance with drinking water standards and protecting human health.
C. Microorganisms: FerrFlx-Pro exhibits potent antimicrobial activity against bacteria, viruses, and protozoa, providing disinfection and preventing waterborne diseases.

۲-۲-۷- Mechanism of Action

The remarkable performance of FerrFlx-Pro stems from the unique redox chemistry of potassium ferrate. Upon dissolution in water, potassium ferrate undergoes a series of reduction reactions, generating highly reactive oxygen radicals that attack and break down target contaminants. This non-selective oxidation process effectively eliminates a diverse range of pollutants, leaving behind clean, safe water.



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➢ Advantages of FerrFlx-Pro

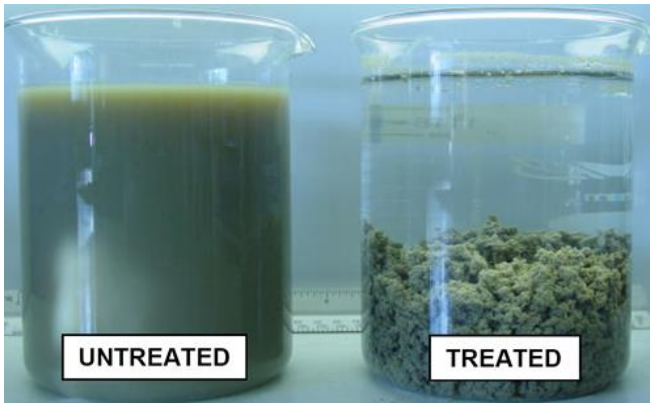
FerrFlx-Pro offers several compelling advantages over conventional water treatment methods:

i. Broad-spectrum efficacy: FerrFlx-Pro effectively removes a wide range of organic and inorganic contaminants, including emerging pollutants.
ii. Environmental friendliness: FerrFlx-Pro decomposes into iron oxide and oxygen, leaving no harmful byproducts.
iii. Rapid disinfection: FerrFlx-Pro provides rapid and effective disinfection, reducing the risk of waterborne diseases.
iv. Enhanced coagulation: FerrFlx-Pro enhances coagulation and flocculation, improving the removal of suspended solids and turbidity.

➢ Applications of FerrFlx-Pro

FerrFlx-Pro finds application in various water treatment scenarios, including:

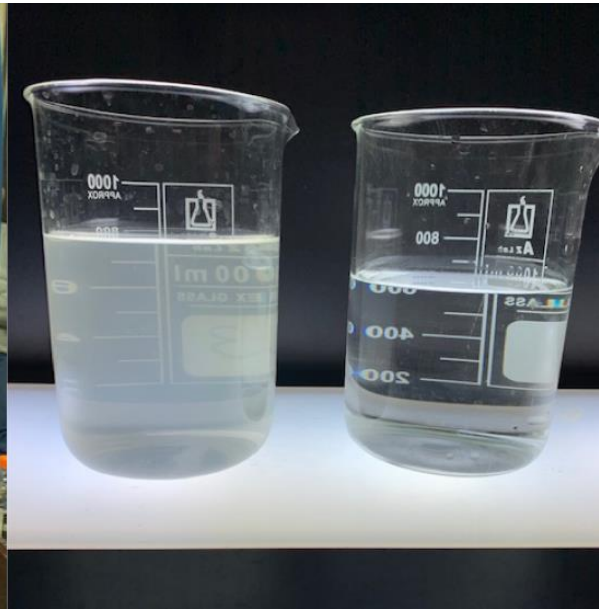
i. Municipal water treatment: FerrFlx-Pro can be integrated into municipal water treatment plants to enhance water quality and meet regulatory standards.
ii. Industrial wastewater treatment: FerrFlx-Pro can effectively treat industrial wastewater, removing organic pollutants and heavy metals.
iii. Groundwater remediation: FerrFlx-Pro can be used to remediate contaminated groundwater, restoring its suitability for drinking or irrigation purposes.





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➢ FerrFlx-Pro: A Comprehensive Solution for Industrial Wastewater Treatment

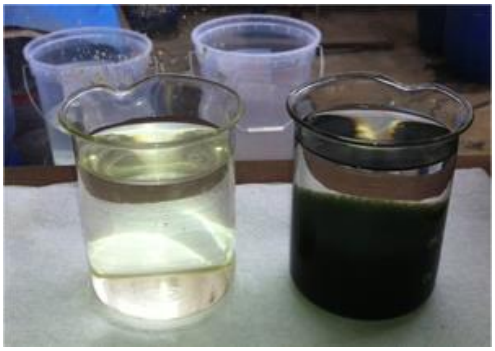
Kian Nano Karno's FerrFlx-Pro, a potassium ferrate-based solution, revolutionizes industrial wastewater treatment with its exceptional versatility and environmental friendliness.

FerrFlx-Pro tackles a wide range of contaminants, including:

A. Heavy metals: Effective removal of heavy metals like arsenic and chromium.
B. Emerging contaminants: Destruction of endocrine-disrupting chemicals (EDCs) and pharmaceuticals and personal care products (PPCPs).
C. Pesticides: Degradation of a broad spectrum of pesticides.
D. Phosphorus: Reduction of phosphorus compounds, preventing eutrophication.
E. Microorganisms: Potent disinfection without harmful disinfection byproducts (DBPs).
F. Organic matter: Oxidation and degradation of complex organic molecules.
G. Suspended solids: Enhanced coagulation and flocculation for efficient removal.



➢ FerrFlx-Pro: The Sustainable Choice for Industrial Wastewater Treatment



FerrFlx-Pro stands as a sustainable solution for industrial wastewater treatment, offering:

Powerful oxidation: Exceptional oxidizing ability for contaminant removal.
Broad-spectrum efficacy: Effective against a diverse range of pollutants.
Environmentally friendly: Decomposes into harmless byproducts.
Rapid disinfection: Provides rapid and effective disinfection.

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➢ FerrFlx-Pro: Transforming Industrial Wastewater Treatment



Kian Nano Karno's FerrFlx-Pro empowers industries to achieve cleaner, safer, and more sustainable wastewater treatment practices, safeguarding the environment and protecting public health.

FerrFlx-Pro, a potassium ferrate-based solution developed by Kian Nano Karno, represents a significant advancement in water treatment technology. Its exceptional oxidizing power, broad-spectrum efficacy, and environmental friendliness make it an ideal choice for addressing the challenges of modern water purification.

As the world grapples with water scarcity and contamination, FerrFlx-Pro stands poised to play a pivotal role in ensuring sustainable and safe water resources for all.

➢ FerrFlx-Pro Technical Information

Specificity	State
Appearance	Powder, Liquid
Physical State	Solid, Liquid
Storage	Store at room temperature
Melting Point	276-286° C
Shelf Life	2 yrs
Colour	Dark Purple
Production Capacity	500 Ton/ Month
Purity	99%

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