



كيمائيات الميثانول
CHEMANOL
Chemicals From Methanol



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Introduction

WHO WE ARE



Methanol Chemicals Company (**CHEMANOL**) was established 1989 in Jubail Industrial City-1 as the first private petrochemical company in the Gulf Corporation Council GCC. Formerly, it was called Saudi Formaldehyde Chemicals Company Ltd (SFCCL), then the name was changed to Methanol Chemicals Company (**CHEMANOL**) when its ownership transmitted successfully to IPO in 2008. **CHEMANOL** has 22 different production units with a total annual production of ~1 million metric tons.

CHEMANOL is one of the most integrated and reliable global producers of Methanol and derivatives; the company is the largest producer of Formaldehyde and derivatives in the GCC region in which its products are actively consumed in all continents.

CHEMANOL has authorized agreements with several leading international petrochemical technologies providers such as Haldor Topsoe, Davy Process Technology (Now part of Johnson Matthey), Techno Thermoset and Libra, in addition to the in-house developed technologies by its engineers.

The continuous development of innovative products that meet customers' specific application requirements is a key strategic driver for **Chemanol's** long-term sustainable growth and competitive edge.

Over the years, the Company has successfully developed and commercialized numerous new product grades, including , low formaldehyde Urea formaldehyde resins, one-shot resins, MMA triazine, Formalin, Hexamine etc. **CHEMANOL** works closely with its customers to provide technical support as and when required.



Chemanol recently acquired a major share in Addar Chemicals Company (ACC) and Global Company for Chemical Industries (GCI) having production facilities in Jubail, Saudi Arabia. **Chemanol** also recently established the Chemical Downstream Industries (CDI) company to develop and build a world-class Blue Methanol & downstream specialty chemicals complexes in-line with KSA's net zero goals in phased manner. This will uniquely contribute to the Kingdom's economic development, as well as provide security of supply to certain products of strategic importance to a variety of industries (O&G, nutrition, advanced material, pharmaceutical, carbon capture).

Our products can be used in several industries such as Chemicals, Oil & Gas, Electronics, Polyurethane, Agrochemical, Automotives, Pharmaceuticals, , Synthetic Rubber, Constructions, Explosives, Resins, Poultry fumigation, Wood industry, Water Treatment intermediates, solvents etc.

With an aim to accomplish highest standards in the fields of quality, safety, and environment, **CHEMANOL** adopted the "Quality Management System (ISO 9001)" as a tool to achieve the goals of the company through self-evaluation of internal and external processes. Additionally, RC 14001 Responsible Care system along with ISO 17025 Laboratory Management System, REACH registration for DMF and Hexamine.

Consequently, in 2017, **CHEMANOL** implemented Integrated Management System (IMS), that has integrated all its management systems into a unified management system to facilitate effective and efficient delivery of the company objectives. By implementing the highest standards of integration, resource optimization, and controls, IMS shall also proactively identify and manage risks while leveraging on opportunities to maximize performance and drive greater stakeholder satisfaction.



OUR VISION

CHEMANOL aspires to be recognized as a major pioneering and reliable company specialized in petrochemicals in the GCC.



OUR MISSION

To utilize resources within the Kingdom of Saudi Arabia (KSA) for the manufacture of high value specialized products and to be a major supplier catering to clientele around the globe at the most competitive prices.



Overall Chemanol Journey



- **Established**
in 1989 as SFCCL



- **Increased Formaldehyde capacity**
by 99.5KTPA



1989-1993

Set up

Plant to manufacture aqueous and urea formaldehyde (24KTPA)



1994-2008

Introduce New Products

Hexamine, Para, Resins, and Superplasticizers





IPO

and renamed
to Chemanol
2008



Backward integration

leading to quantum
increase in product
portfolio from 8 to 15
products.



Upgraded

ISO/IEC1
7025
from 2005
to 2017

2022 New Journey Projects

Transformation
to Specialty
Chemicals

2009-2022

1 Million MT

Launched
projects and
enhanced
capacity of
1million MT
from 140 KMT



KFIP facility

from April 2011 for
cost effective
bulk shipment of
DMF



2015

Responsible
Care
Certification





Environment, Health, Safety & Security (EHSS) in CHEMANOL

Chemanol is always committed towards the protection of Environment, Health, Safety and Security (EHSS) of all stakeholders. Our Integrated Management System is based on identification, prevention, and mitigation of risks at all levels throughout the organization.

We have successfully implemented all seven codes of “Responsible Care Management System, RC14001:2015”. We protect the environment by reducing emissions to air and water by ensuring full compliance of “Waste Management System” with appropriate treatment, recycling and disposal of all waste materials.

We have implemented the world’s best industrial practices in regard to health and safety of our people. We strive to eliminate occupational injuries and adverse health effects by managing operational matters with priority. Awareness and education on employee health and safety is one of our highest priorities. **Chemanol** conducts employee awareness campaigns regularly to provide education on environment, health and safety matters.

Security of the plant infrastructure is maintained through strict policies in compliance with regulations of the “High Commission of Industrial Safety-HCIS”. we have access control systems in which security personnel are employed round-the-clock within Chemanol for surveillance. Trained security personnel are responsible for operating the plant gates, carrying out vehicle inspections, and conducting routine security patrols.

CHEMANOL considers the safety of its employees is of utmost importance and the company takes all possible measures to maintain safe working conditions. Employees are trained on operating procedures and equipped to perform their activities in safe manner. Any change in the design of plants passes through a Managing Risk during Organizational Change (MOC) before the change is implemented.

Emergency Preparedness & Response

Chemanol cares for the community same as its own employees and as part of its commitment to social responsibility it participates in various social welfare events in the eastern province.

Our Philosophy is to mitigate all associated risks related to our business, but at the same time we are fully equipped with latest emergency response equipment's with well-trained, competent "Emergency Response Team", which responds effectively to any adverse situations such as fire, toxic gas / chemical release and any serious injury.

Specialized training is conducted annually for the Company's emergency response team, covering hazardous materials (HAZMAT), rescue, first aid, and dealing with major fires and leaks.

Emergency response mock drills are carried during the year as well as an annual drill in collaboration with the Jubail Area Mutual Aid Association (JAMAA), which has confirmed the company's preparedness for emergencies as 'Excellent' for consecutive six years till date. **Chemanol** received Best JAMAA drill company for Jubail and Ras Al-Khair in year 2022.

Chemanol's Journey towards EHSS Excellence

Our successful journey towards "EHSS Excellence" started in 2011, when **Chemanol** management decided to introduce well-structured management system. Comprehensive initial gap analysis assessments were conducted which enabled us to identify areas of improvement.

At first, we succeeded to become a member of "Gulf Petrochemical & Chemicals Association (GPCA)"

- In 2015, with efficacious team efforts, Chemanol got the "Responsible Care (RC)" certification for two years.

- In 2018, to further enhance the company's "Responsible Care Management System", Chemanol management decided to unify three existing management systems (RC 14001, ISO 9001 and ISO 17025) as one integrated management system under the name of "**Chemanol** Integrated Management System" (CIMS).

Chemanol is keen to maintain its relevant certificates effective and updated by meeting the internal and external audit requirements, and hence the latest surveillance audit was successfully conducted in Feb 2024 with zero non-conformances. We motivate our employees by "Awards & Recognition". Every year, we provide our employees with an opportunity to actively participate in EHSS related activities, initiatives, and in-house awareness campaigns. Our management vision is to sustain these outstanding achievements across the functions in the years to come.

CHEMANOL
currently has a
portfolio of
14 products
with a wide range of
different grades



Methanol



**Dimethyl
Formamide
(DMF)**



**Hexamine
(HMT)**



**Aqueous
Formaldehyde
Solution
(AF-37/Formalin)**



**Paraformaldehyde
(Para)**



**Polycarboxylate
ether (PCE)**



**Superplasticizers
(SNF- POWDER)**



**Superplasticizers
(SNF- Liquid)**



**Urea
Formaldehyde
Resin (UF Resin)**



**Urea Formaldehyde
Concentrate (UFC-85)**



**Mono-methylamines
(MMA)**



**Di-methylamines
(DMA)**



**Tri-methylamines
(TMA)**



**Monomethylamine triazine
(MMA Triazine)**

ACC Products:

Sulfolane

Sulfuric Acid

Liquid SO₂

Oleum

Hydrogen Gas

GCI Products:

Oilfield chemicals - H₂S

Scavenger (MEA Triazine, MBO, non-triazine based), Corrosion Inhibitors, Scale Inhibitor, Shale Inhibitor (Polyamine), Biocides, Benzyl Quats, Alkyl Pyridine Quats, Quinoline Quats, Acid stimulation additives,

Home/Personal Care additives - Surfactants: BKC, CDEA, CMEA, LDAO, CAPB,

Fine Chemicals - Anisole, Dimethyl Carbonate (DMC)





1
Million
metric tons
per year

22
22 sophisticated
plants

+75
Countries

6
Continents

Marketing

Producing about one million metric tons per year from 22 sophisticated plants. **CHEMANOL** has a variety of products for a wide range of industries to serve partners in over 75 countries and six continents, ensuring high standard of product quality and services to make our partners experience unique.

With diversified products of more than 30 different grades of 14 products, **CHEMANOL** established a footprint in the global market and became a preferred supplier for a broad base of partners seeking reliable suppliers and premium products.

An extended diversity of products needs different level of technical capabilities; thus, **CHEMANOL** utilizes best technologies from well-known licensors to produce high quality chemical products, in line with our commitment to provide excellent services.

To enhance excellent services; our team is professionally and technically skilled to work with partners side by side starting from selecting the right grade based on partners final applications to the post-sales services which eventually makes our partners experience beneficial.

CHEMANOL's presence is expanding widely by selling diversified products to partners locally and globally driven by our geographical location that gives **CHEMANOL** a competitive advantage to reach partners in over 75 countries throughout the globe. Our market share is expanding by actively penetrating new markets, earning the trust of new partners every day.

In **CHEMANOL**, we are paying special attention to apply stringent adherence to code of conduct policy, follow international trade compliance standards and business ethics. Our core values are essential to continue our success story by guiding our people and business partners to meet high ethical standards that we set for ourselves.

Common Uses of our Products

Pharmaceuticals, Agrochemicals, Fertilizer, Animal feed/poultry, Automobile, Electronics - Printed circuit boards, Construction chemicals, Explosive, Fuel additives, Inks, Oilfield chemicals, Personal care, PU Leather (Synthetic leather), Rubber industry, Synthetic lubes, Synthetic resin industry, Textile chemicals, Wood industry, Intermediates, Solvents, Home/Personal Care etc.





Logistics

Chemanol has been licensed as an Authorized Economic Operator (AEO) by Saudi Customs Authorities in partnership and adoption by the World Customs Organization (WCO), which gives us an advantage of smooth movements for our shipments and consume less time in ports for customs clearance. Thus, **CHEMANOL** is committed to deliver products on time and make them available where and when they are needed. By producing 14 products with more than 30 grades in different forms; gas, liquid, and solid, **CHEMANOL** aims to use most efficient supply chain by using up-to date packaging materials and techniques taking in consideration the international standards, in addition, **CHEMANOL** employs variety of transportation methods in order to enhance customers' accessibility and to meet our commitment of delivering the products timely and as customers expect.

Our transportation modes are:

- Pipeline to customers within Jubail Industrial Area.
- Chartered stainless bulk vessels.
- Dry Containers
- Fleet of dedicated road tankers
- ISO tanks
- Liquefied gas tanks
- Flat beds

Packaging for liquid:

- Bulk Vessels
- Iso Tanks
- Roadtankers
- Drums
- IBC Canisters

Packaging for solid:

- 25Kg Bag
- 500Kg Bag
- 1000Kg bag

Chemanol has shipment facilities in multiple ports within Saudi Arabia and storage at King Fahad Industrial Port in Jubail, where it is designed for handling bulk vessel platform.

Our strategical partners with most reliable logistics service providers in the industry help us to move our products across all borders fast and safe.

Our team is dedicated to a non-stop effort in providing better logistics solutions that enhance customer satisfaction.



Quality Control

To ensure the highest standards of customer satisfaction, **CHEMANOL** conducts quality control (QC) testing at every stage of the production cycle – involving feedstock, raw materials, intermediates and finished products. **CHEMANOL** laboratory is ISO 17025 accredited and are staffed with highly trained chemists, technicians and laboratory management with a wealth of industrial knowledge and experience. The company continuously evaluates feedback from customers and provide them with timely technical support and advice.

Chemanol QC laboratories are well equipped with modern sophisticated state-of-the-art instruments like gas chromatographs, Atomic absorption spectrometer, Fourier transform infrared spectrophotometer (FTIR), High Performance Liquid Chromatograph (HPLC), Ion chromatograph, Ultra violet spectrophotometer, Auto titrator, Total Organic Carbon (TOC) analyzer, Karl Fisher titrators to conduct testing in accordance with international standards, client specifications and environmental regulating body. All the laboratory instruments are constantly maintained and up to date giving us a competitive edge and allowing us to improve the quality of products.

As a leading manufacturer of methanol-based specialty chemicals in the Kingdom of Saudi Arabia, **CHEMANOL** gives the highest importance to all matters related to Environment, Health, Safety, Security, Quality, Sustainability, Energy and Reliability. In conforming to this commitment, the company's management shall implement the company's policy to fulfil the below requirements:

COMPANY POLICY

- Operate and maintain the company's facilities in a Safe, Secure, Healthy, Environmentally friendly, Energy efficiently and Reliable manner with effective Process Safety Programs that demonstrate our commitment to the protection of environment, protect employees and assets and prevent any harm to community.
- Ensure to achieve Energy Objectives/targets, and reliability of the manufacturing facilities throughout their operational life, starting from design and procurement then installation, commissioning and operation.
- Comply with all the applicable requirements, 'Responsible Care' guiding principles, Quality, Energy efficiency/Use/Consumption and Lab Testing standards and regulations during work in addition to the enterprise risk management framework.
- Provide necessary resources to employees and contractors to increase their awareness in order to comply with the Company's Policy requirements.
- Ensure the effectiveness of applying the highest standard in products' testing and calibration.
- Demonstrate visible leadership, commitment and engagement towards Company Objectives and continual improvement of Integrated Management System.
- Encourage and spread awareness of Company Policy inside and outside work environment to promote openness with all stakeholders.

Integrated Management System

With an aim to accomplish highest standards in the fields of quality assurance, safety and environment; the company adopted the “Quality Management System (ISO 9001)” as a tool to achieve the goals of the company through self-evaluation of internal and external processes. Additionally, RC 14001 Responsible Care system along with ISO 17025 Laboratory Management System were adopted in 2015.

CHEMANOL believes that aligning with universally acceptable standards shall enhance its overall processes making its products more reliable thereby adding value to its competitive edge in the global arena. Consequently, in 2018, **CHEMANOL** implemented Integrated Management System (IMS), that integrates all its management systems into a unified management system facilitating effective and efficient delivery of the company’s objectives.

By implementing the highest standards of integration, resource optimization and controls, IMS shall also proactively identify and manage risks while leveraging on opportunities to maximize performance and drive greater stakeholder satisfaction.

Contact Us

 T : + 966 13 343 8809 / 8835 / 8210

 F : + 966 13 358 3592

 P.O.Box 2101, Jubail-31951,
Kingdom of Saudi Arabia

 Marketing@chemanol.com

 www.chemanol.com