

CHEMISTRY THAT MATTERS™



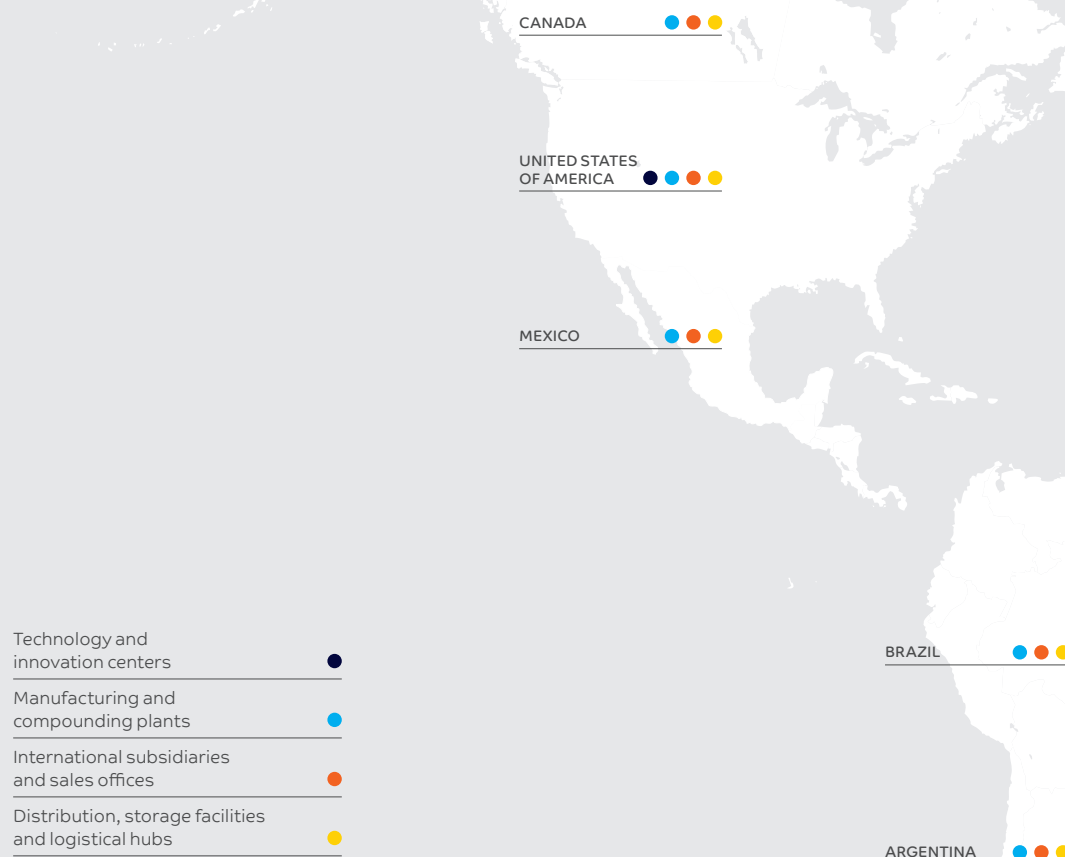
# CHEMICALS

BUSINESS OVERVIEW



# AT A GLANCE

SABIC, headquartered in Riyadh, Saudi Arabia, employs more than 32,000 people in around 50 countries, working together to make the building blocks of the modern world ever better, ever more efficiently, and ever more sustainably.



NET INCOME  
(SAR)

67 mln

ASSETS  
(SAR)

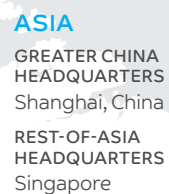
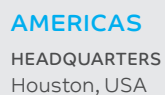
295 bln

SALES  
(SAR)

117 bln

PRODUCTION  
(METRIC TONS)

60.8 mln



32,000+

Employees around  
the world



9,946

## Patent portfolio



A+/A1

One of the highest  
standalone credit ratings



## Top 2

Chemical  
brand value

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# STRATEGIC INDUSTRIES WE SERVE



## AGRI-NUTRIENTS

Our portfolio of high quality agri-nutrients play a vital role in helping to secure adequate global food supply and make it possible to produce more food from less land.



## CLEAN ENERGY

SABIC's specialty and polymer products can help create sustainable renewable-energy solutions for the future.



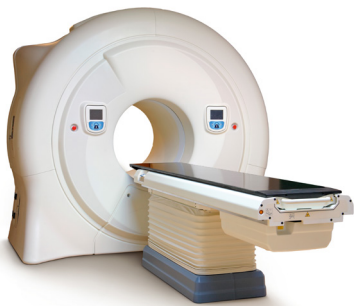
## ELECTRICAL & ELECTRONICS

Manufacturers need to make products in a cost-effective manner, yet meet consumers' expectations for style, ease of use and sustainability. Our materials are the foundation for the next generation of electronic devices.



## CONSTRUCTION

We provide products to architects and builders who seek solutions to satisfy public demand for environmentally responsible structures while providing design freedom.



## MEDICAL DEVICES

We help customers successfully address the challenges facing the industry by providing advanced technologies, a broad product portfolio, and a healthcare policy.



## PACKAGING

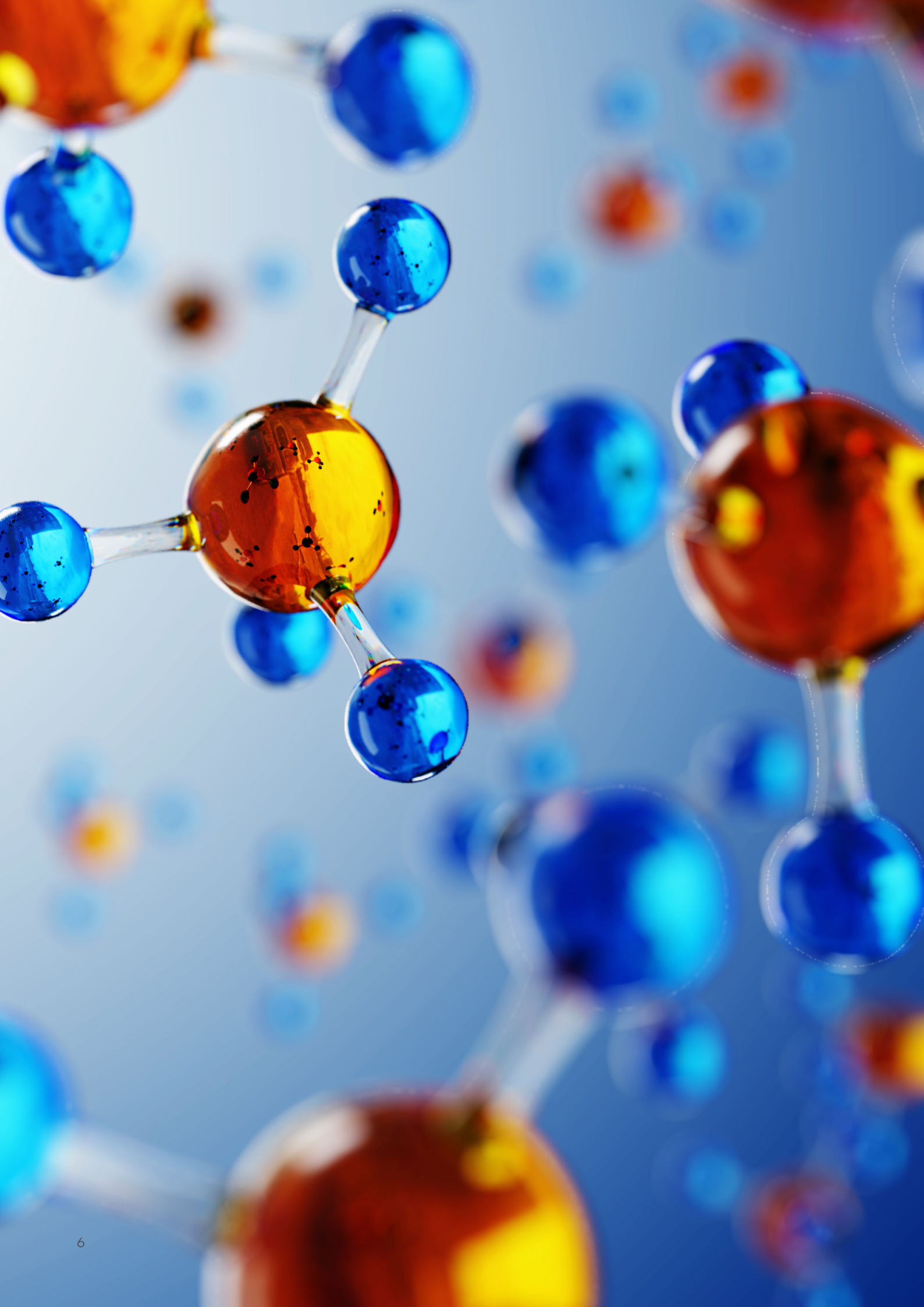
SABIC polymers seek to help food and drink producers meet their goals while still providing sustainable benefits like lightweighting and environmentally-focused initiatives.



## TRANSPORTATION

Automobiles, aircraft, rail interiors, heavy-duty trucks and other vehicles require new approaches to meet ever-rising requirements. We put our material, design and technical expertise to work to help OEMs meet this challenge and drive innovation to new levels.



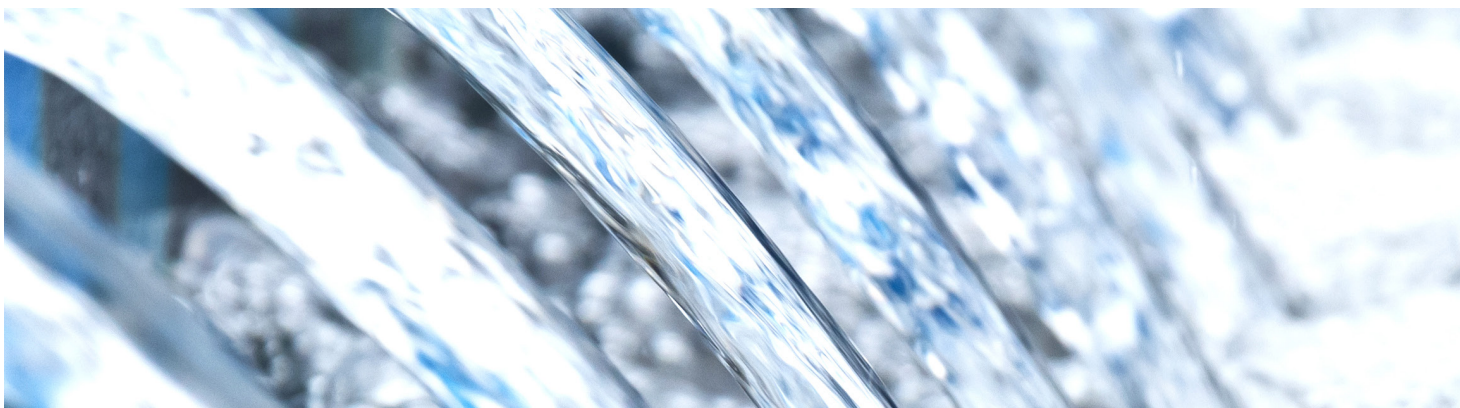


# CHEMICALS

SABIC's chemicals portfolio constitutes the most basic building blocks of a large variety of other chemicals and advanced materials, ultimately enabling the manufacture of a vast range of industrial and consumer goods. Thanks to our global investments in the latest technology and our ambition to be the preferred world leader in chemicals, our manufacturing plants produce a wide range of world-class products – glycols, aromatics and derivatives, olefins, and oxygenates, besides a variety of functional chemicals.

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# PRODUCT PORTFOLIO



## CHEMICALS

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### OLEFINS

- Ethylene
- Propylene
- Butadiene

### GLYCOLS

- Monoethylene Glycol
- Diethylene Glycol
- Triethylene Glycol

### ETHANOLAMINES

- Monoethanolamine
- Diethanolamine
- Triethanolamine

### CHLOR-ALKALI

- Ethylene Dichloride
- Caustic Soda

### ETHYLENEAMINE

- Ethylenediamine (EDA)
- Diethylenetriamine (DETA)
- Piperazine (PIP68)

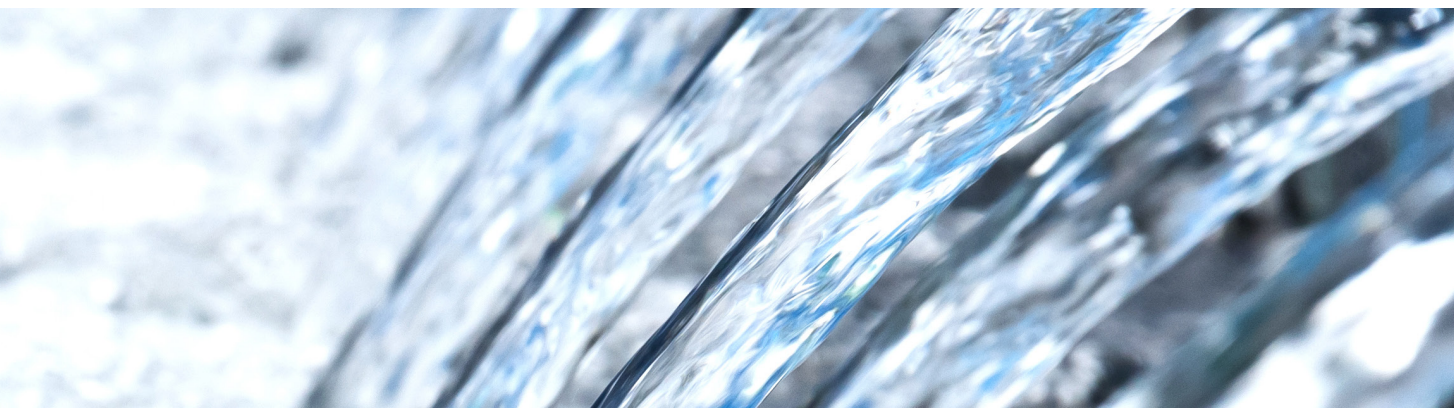
### OXO ALCOHOLS & PERFORMANCE MONOMERS

- 2-Ethylhexanol
- Iso-butyraldehyde
- N-butanol
- Iso-butanol
- Dioctyl Phthalate
- Methyl Methacrylate

### AROMATICS

- Phenol
- Styrene Monomer
- Pygas
- Acetone
- Acetic Acid
- Paraxylene
- Purified Terephthalic Acid





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## LINEAR ALPHA OLEFINS

- Butene-1
- Hexene-1 (C6)
- Octene-1 (C8)
- Decene-1 (C10)
- Dodecene-1 (C12)
- C14-C18
- C20+

## GASES

- Gaseous Nitrogen
- Liquid Nitrogen
- Gaseous Oxygen
- Liquid Oxygen
- Liquid Argon
- Gaseous Hydrogen
- Liquid Carbon Dioxide
- Crude Krypton

## OXYGENATES

- Methanol
- Methyl Tertiary Butyl Ether
- Methyl Tertiary Butyl Ether - TX

## BUTYL GLYCOL ETHER (BGE)

- Butoxy Glycol Ether (EB)
- Butoxy Di Glycol Ether (DB)
- Butoxy Tri Glycol Ether (BTG)

## ETHOXYLATES

- Polyethylene Glycol PEG 200
- Polyethylene Glycol PEG 300
- Polyethylene Glycol PEG 400
- Polyethylene Glycol PEG 400 Pharma
- Polyethylene Glycol PEG 600
- Polyethylene Glycol PEG 600 Pharma
- Natural Alcohol Ethoxylate L1
- Natural Alcohol Ethoxylate L2
- Natural Alcohol Ethoxylate L3
- Natural Alcohol Ethoxylate L7
- Natural Alcohol Ethoxylate L9
- Castor Oil Ethoxylate EL 30
- Castor Oil Ethoxylate EL 40
- Synthetic Alcohol Ethoxylate TA 5
- Synthetic Alcohol Ethoxylate TA 6
- Synthetic Alcohol Ethoxylate TA 7
- Synthetic Alcohol Ethoxylate TA 8
- Synthetic Alcohol Ethoxylate TA 9
- Synthetic Alcohol Ethoxylate TA 10
- Synthetic Alcohol Ethoxylate TA 3070
- Synthetic Alcohol Ethoxylate TA 4070

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# OLEFINS AT A GLANCE

SABIC is one of the largest producers of Ethylene around the globe with annual capacity of 15MMT



## PRODUCT PORTFOLIO

Ethylene  
Propylene  
Butadiene  
Alpha Olefins  
Butene-1



## CAPACITY

29 MMt/A



## MANUFACTURING FOOTPRINT

KSA Jubail: PETROKEMYA, UNITED,  
SAUDI KAYAN, SHARQ

KSA Yanbu: YANSAB, YANPET

USA: GCGV

Europe: GELEEN, TEESIDE

China: SSTPC

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# GLYCOLS AT A GLANCE

SABIC is recognized as a global leader in Glycols with a sizeable production and global reach.



## PRODUCT PORTFOLIO

MEG, DEG, TEG



## CAPACITY

MEG 7.85 MMt/A  
DEG & TEG 650 Kt/A



## MANUFACTURING FOOTPRINT

KSA Rabigh: PRC

KSA Jubail: UNITED, SAUDI KAYAN, SHARQ

KSA Yanbu: YANSAB, YANPET

China: SSTPC

USA: GCGV

Malaysia: Prefchem



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# OXYGENATES AT A GLANCE

SABIC is recognized as a global leader in Methanol and MTBE with a sizeable production and global reach.



## PRODUCT PORTFOLIO

MeOH  
MTBE



## CAPACITY

5.4 MMt/A  
MeOH

3.2 MMt/A  
MTBE



## MANUFACTURING FOOTPRINT

MeOH:  
KSA Jubail: ARRAZI, IBN SINA  
Bahrain: GPIC

MTBE :  
KSA Jubail: IBN-ZAHR, IBN-SINA,  
PETROKEMYA

KSA Yanbu: YANSAB  
Europe: GELEEN  
China: SSTPC



# FUNCTIONAL CHEMICALS AND AROMATICS AT A GLANCE

SABIC is recognized as a global leader in Styrene with a sizeable production and global reach.



## PRODUCT PORTFOLIO

### Aromatics:

Styrene, Benzene, Phenol, Acetone

### Functional Chemicals:

Chlor Alkali, Oxo, MMA, Ethanolamine, Ethyleneamine, Ethoxylate, Butyl Glycol Ether



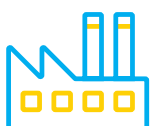
## CAPACITY

### Aromatics:

Styrene	1,641 Kt/a
Benzene	778 Kt/a
Phenol	837Kt/a
Acetone	493 Kt/a

### Functional Chemicals:

Chlor Alkali	1,510 Kt/a
Oxo	325 Kt/a
MMA	227 Kt/a
Ethanolamine	190 Kt/a
Ethyleneamine	33 Kt/a
Ethoxylate	40Kt/a
Butyl Glycol Ether	136 Kt/a



## MANUFACTURING FOOTPRINT

### Aromatics:

**KSA Jubail:** Petrokemya, Saudi Kayan

**KSA Yanbu:** Yansab

**KSA Rabigh:** Petro Rabigh

**USA:** CosMar, Mount Vernon

**EU:** Geleen, Wilton

**China:** SSTPC

### Functional Chemicals:

**KSA Jubail:** Petrokemya, Saudi Kayan, SAMAC, SADARA, SABUCO, Albayroni

**KSA Rabigh:** Petro Rabigh



# PRODUCT APPLICATIONS

PRODUCT	MAIN APPLICATIONS
Linear Alpha Olefins	LLDPE
	HDPE
	Detergents
	Lubricants
	Oil Field Chemicals
Iso-butylaldehyde	Plasticizers
	Paints & Coatings
	Personal care
Diocetyl Phthalate	Perfume
	Cable & Wires
	PVC Pipes
	Hoses
N-Butanol	Roofing Materials
	Paints & Coatings
	Cosmetics
	Leather
	Perfumes
Ethanolamines	Industrial Cleaning Solutions
	Lubricants
	Surfactants & Detergents
	Agriculture
	Construction
	Metalworking
	Refineries
	Wood Preservatives
	Pharmaceuticals
	Personal Care & Cosmetics
Ethyleneamine	Water treatment
	Textile
	Oil Field
	Homecare
	Adhesives & sealants
	Asphalt additives
	Concrete admixture
	Epoxy resins for wind turbine blades
Butoxy Glycol Ether (BGE)	EDA as Polyetheramines
	Water treatment as Chelating agents
	Lubricants
	Oil field chemicals
	Active solvent for solvent-based coatings
	Coalescent for industrial water-based coatings
	Coupling agent for architectural water-borne coatings
Ethoxylates	Coupling agent and solvent in household and industrial cleaners, rust removers, hard surface cleaners, and disinfectants
	Primary solvent in solvent-based silk screen printing inks
	Coupling agent for resins and dyes in water-based printing inks
	Solvent for agricultural pesticides
	Personal Care & Cosmetics
P-xylene	Surfactants & Detergents
	Textile
	Paints
	Pharmaceuticals
	Dyes
	Paints & Coatings
	Agriculture
	Plastic Lubricants
	Leather
	Terephthalic Acid

PRODUCT	MAIN APPLICATIONS
Methyl Methacrylate	Acrylic Sheet
	Molding Compounds
	Paints & Coatings
	Impact Modifier
Glycols	Polyester resins
	Adhesives
	Paints & Coatings
	Textile
	Paper
	Leather
	Antifreeze
	Construction
	Lubricants
	Water treatment
Industrial Gases Applications	Brake fluids
	Oil Field
	Chemicals
	Refining & Energy
	Metallurgy
	Healthcare
	Glass
Methanol	Electronics
	Pulp & Paper
	Raw material for manufacturing of Formaldehyde, Acetic acid, Polyacetal, MTBE, Acetaldehyde, Ethanol, Acetic Anhydride, MMA, HCN, Methyl Formate, Methyl, Amines, Polymethyl Phenol, Dimethyl Ether, H <sub>2</sub> gas, CO gas
MTBE	Fuel
	Gasoline blending
	Synthetic Rubbers
Acetone	Methyl Methacrylate
	Personal Care
	Textile
	Surface Coatings
Phenol	Films & Adhesives
	Pharmaceuticals
	Azo dyes
	Wood preservatives
Ethylene Dichloride	Plastics
	PVC
Caustic Soda	Detergents
	Water treatment
	Paints
Olefins	Chemicals processes
	Chemicals Manufacturing
	Polymer
Styrene Monomer	Synthetic Rubbers
	Styrene homopolymers and copolymers
	Packaging materials and sheets
Iso-butanol	Paints & Coatings
	Personal care
	Perfume
2-Ethylehexanol	Plasticizers
	Adhesives

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