





# **JINDAL**


*Speciality Chemicals*

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Adding  
**Chemistry**  
to Your  
**Life**



# CREATING A BETTER TOMORROW THROUGH CHEMISTRY.

Jindal Group is a diverse business conglomerate, engaged in the Textile, Packaging, Speciality Chemicals, and Mobilitric (EV) segment. Group has a rich legacy of three decades with a leading position in many business areas.

Jindal Worldwide, the flagship group company is a leading textile company in India, headquartered in Ahmedabad, Gujarat. We embarked on this journey in the early 80s and have continued to grow strongly, underpinning our innovation capabilities and state-of-the-art manufacturing unit that brings in the flavour of diversity in our fabric manufacturing facility.

Jindal Speciality Chemicals is a part of the Jindal Group. It is conceived with a vision of *“To be a leading chemical company, offering innovative products and solutions for enriching the quality of life”*. The company has identified speciality chemicals as its springboard for growth, aligned with the country's vision of “Aatmanirbhar Bharat”. Over the last many years, the company has invested heavily in its R&D and innovation, and is now well-placed to be part of this growing segment. Our subsidiary Expede-Tech Research & Development is responsible for innovation, experimentation, problem-solving and development of new, safer and sustainable production processes.

**We are amongst the largest denim manufacturer and textile players in India.**

**4,000+** Designs per annum     **20+ Countries** Export presence

**140mm** Production capacity of denim fabric per annum

## Jindal Group thriving as a diverse business conglomerate.

### • Textile

No. 1 position in denims, manufacturing over 12 million meters per month of production. We offer 400+ designs and serve 2000+ customers.

### • Speciality Chemicals

Build on the foundation of a strong R&D capabilities offering innovative chemistry based products.

### • Packaging

Aegios Polyfilms is committed to providing innovative and high-quality flexible packaging solutions (BOPET, BOPP, Metalize Films & PET Resin).

### • Mobilitric

At Jindal Mobilitric, we are transforming the future of the automotive industry with our expertise in technology, and trust toward safer, reliable, sustainable products.

# BECOMING LEADER. ACHIEVING GROWTH.

## Vision

To be a leading chemical company, offering innovative products and solutions for enriching the quality of life.

## Mission

- Putting the customers at the forefront of everything we do. Build and sustain a reputation of trust.
- Building capabilities and expertise for innovating superior products in the most efficient and safest way.
- Set a high benchmark for sustainable and profitable growth across the entire value chain.
- Be an institution of growth and become one of the best companies to work with.
- Foster sustainability to minimize our carbon footprints and contribute to the community by empowering them.

## Values

Our values are the true spirit, which defines our principles and actions. They guide our journey towards a common purpose and guide us to follow righteous path.

## SPIRIT

### Safety

No compromise with respect to health and safety, ensuring that it becomes a natural part of the company's culture.

### Passion

Passion is a testimony of our efficiency and dedication in what we are doing.

### Integrity

Acting fairly towards colleagues, customers and partners. Always being ethical, straight and honest.

### Respect

Being respectful of people, communities and the environment is our way of life.

### Innovation

Becoming inventive and creative in every way possible while contributing to the overall growth by opening up more operational and scientific possibilities.

### Teamwork

Working collaboratively towards a common vision, achieving synergies and realizing our full potential.

SERVING THE SOCIETY.  
ENSURING THE QUALITY.

# HSEQ



## Health

Implementing best practices in plant maintenance and operations to improve the health and well-being of our people.



## Environment

Fostering sustainability at every level and taking initiatives to conserve the environment for a better world.



## Safety

Safety is our top priority and we are committed to improving our safety systems and culture.



## Quality

Keeping customers at the forefront, we are striving to deliver reliable, sustainable and premium quality products.

DRIVING INNOVATION.  
DELIVERING EXCELLENCE.



Innovation infrastructure consists of centralised research and manufacturing facility at Nayaka, Gujarat.

Equipped with the state-of-the-art equipments and systems (Animation Technology, Fermentation Technology, Green Chemistry, Heterocycle Chemistry, High-pressure Reaction Technology and many more).

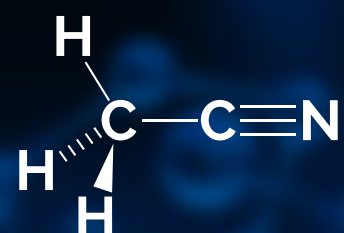


Developing products to support our growth in future.

200+ years of cumulative experienced team.



# HIGH-PERFORMANCE CHEMICALS.



## Acetonitrile

Simplest organic nitrile with the formula  $\text{CH}_3\text{CN}$  and structure  $\text{H}_3\text{C}-\text{C}\equiv\text{N}$ . It appears as a colourless liquid with an aromatic odour. Acetonitrile is mainly used as a polar aprotic solvent in organic synthesis and in the purification process. It is also used to make pharmaceuticals, agro industry, perfumes, rubber products, pesticides, acrylic nail removers and batteries.

### Technology

Fixed-bed vapour phase reaction and fractional distillation.

### Chemistry

Catalytic ammonolysis of acetic acid.

### Applications

- **Laboratory Chemical** - Mobile phase in HPLC.
- **Synthesis Intermediate** - Perfumes, agro and pharmaceutical industry.
- **Solvent** - Extraction, electrochemical cells, pharmaceutical and biochemical synthesis process.
- **Other Industrial Application** - Removing solution and transition metal complex catalyst.

### Product Identifiers

Chemical Formula	$\text{C}_2\text{H}_3\text{N}$
Preferred IUPAC Name	Acetonitrile
CAS Number	75-05-8
HSN Code	29269000

### Physical Properties

Molecular wt.	41.05 g
Density @ 25 °C	0.786 g/ml
Refractive Index @ 20 °C	1.3441
Boiling Point	81 - 83 °C
Freezing Point	Below -45 °C
Solubility in Water @ 25 °C	Miscible in all Proportions
Flash Point (Closed Cup)	2 °C

### Specifications

Appearance	A Clear Colourless Liquid
Colour (APHA max.)	10
Purity by GC	99.8% min.
Specific Gravity @ 20 °C	0.780 to 0.785
Water by K.F. (wt. %)	0.05% max.
Acetone (ppm)	50 max.
Free Ammonia (ppm)	6 max.
Propionitrile (ppm)	300 max.
Acrylonitrile by GC (ppm)	10 max.
Acidity (as Acetic Acid) (wt. %)	0.05% max.

