



ASHOK ALCO - CHEM LIMITED



INSPIRATION
INNOVATION
TRUST

MESSAGE FROM THE MD



Ashok Alco Chem Limited (AACL) for decades have been focusing with single-minded endeavour to deliver the best we can. And achieving this has only been possible through the trust instilled by our consumers in our products. Trust invoked through constant innovation and improvement of our products.

Excellence is more than just our corporate strategy; it is our steadfast dedication to superior performance. Today, AACL is stronger than ever with a balanced capital structure, a radically improved cost position and a proven leadership team.

By continuing our commitment to our customers and dedication to excellence, we have built a world-class company that will lead the way by addressing market needs and benefiting communities worldwide.

Our philosophy is based on the famous words of John S. Herrington,

“There are no dreams too large, no innovation unimaginable and no frontiers beyond our reach.”

*Dr. Anil M. Kadakia
Managing Director*

Mission – WE BELIEVE IN OUR EXPERTISE

We strive to become the industry standard in service to customers, to exceed our customers' expectations in Quality, Delivery and Cost through continuous improvement and customer interaction.

We provide work environments where our employees can meet their potential and thrive in an atmosphere of excellence.

We maintain a superior level of integrity in interactions with business partners and associates.

Vision – WE ENVISION INFINITE POSSIBILITIES

We will boost the value of our company and our global portfolio of diversified products by exceeding customer's expectations and achieving market leadership and operating excellence in every segment of our company.

AT A GLANCE

Driving Passion. Delivering Excellence

Ashok Alco-Chem Limited (AACL) was incorporated as a Public Limited Company on 18th November 1992 under the Companies Act, 1956 in Maharashtra. The Company was promoted by the Kadakia family for manufacturing and marketing of Industrial Alcohol, Acetic Acid and other downstream products like Ethyl Acetate for industrial use in pharma, ink, paint, adhesive, resin, flexi packaging, perfumer and many other industries.

Shri. Manilal H.Kadakia, the patriarch & freedom fighter, fondly called 'Papaji', was the founder Chairman having several decades of business experience in cotton trade and various other chemical companies.

The manufacturing facility was set up at Mahad MIDC, Maharashtra which is 170 kms from Mumbai and offers excellent logistics facility being very close to JNPT port terminal. The plant is spread over a land area of about 28000 sq.mts. Apart from this, the Company also has a residential plot ad-measuring 2438 sq.mts and buildings for residential quarters for its employees.

The Company's plant is one of the leading alcohol based facility, currently having installed capacity to produce 13,000 MTs of Glacial Acetic Acid, 30,000 MTs of Ethyl Acetate and 10,500 MTs of Acetaldehyde per annum.

Apart from the manufacture of chemicals, the Company also commenced trading in some mineral products mainly for exports from the year 2009 which has given a substantial boost to the top line figures and a ramp-up in revenues as well as profitability.



OUR BUSINESS PORTFOLIO

Industries we cater

Pharmaceuticals:

Ethyl Acetate is an important component in extractants for the concentration and purification of antibiotics. It is also used as an intermediate in the manufacture of various drugs.

Entomological Killing Agent:

In the field of entomology, ethyl acetate is an effective asphyxiant for use in insect collecting and study. In a killing jar charged with ethyl acetate, the vapors will kill the collected (usually adult) insect quickly without destroying it. Because it is not hygroscopic, ethyl acetate also keeps the insect soft enough to allow proper mounting suitable for a collection.

Paints:

The paints and printing ink industry are the biggest consumers of ethyl acetate in India. It is used as a solvent in the manufacture of nitrocellulose based paints, thinners & varnishes.

Flexible packaging:

Substantial quantities of ethyl acetate are used in the manufacture of flexible packaging and in the manufacture of polyester films and BOPP films. It is also used in the treatment of aluminum foils.

Surface coating and thinners:

Ethyl Acetate is one of the most popular solvents and finds wide use in the manufacture of nitrocellulose lacquers, varnishes and thinners. It exhibits high dilution ratios with both aromatic and aliphatic diluents and is the least toxic of industrial organic solvents.

Perfumes and flavors:

Ethyl acetate is present in confectionery, perfumes, and fruits. In perfumes, it evaporates quickly, leaving only the scent of the perfume on the skin.

Cosmetics:

Ethyl Acetate is used in Nail Care (General), Nail Polish, Hair Care (General), Makeup, Lip Gloss, Fragrance (General), Foot Moisturizer.

Aluminium foils:

Ethyl acetate finds usage in the treatment of aluminium foils & sheets. It is also used during the screen printing stage.

Electronics:

Small quantities of ethyl acetate are also used in the manufacture of video/audio tapes. Magnetic media of tapes are purified with ethyl acetate. It is also used for head cleaning, etc. In fact, ethyl acetate of 99.7% quality is the best solvent for cleaning, etc.



CHEMICAL DIVISION

PARTICULARS	ETHYL ACETATE	GLACIAL ACETIC ACID	ACETALDEHYDE
C.A.S. No.	141-78-6	664-19-7	075-07-0
HS Code	2915.3900	2915.2110	2912.1200
EINECS No.	205-500-4	200-580-7	200-836-8
Chemical Classification	Ester	Carboxylic Acid	Aldehyde
Synonyms Trade Name	Acetic Acid Ethyl Ester, Acetic Ether Acetoxyethane	Ethanoic Acid, Vinegar Acid, Ethylic Acid, Methane Carboxylic Acid, Pyrologous Acid	Acetic Aldehyde, Ethanal, Ethyl Aldehyde.
Formula	CH ₃ COOC ₂ H ₅	CH ₃ COOH	CH ₃ CHO
Molecular Weight	88	60.05	44
Assay (Purity)	99.90%	99.70%	99.60% - 99.70%
Specific Gravity	0.895	1.0492	0.783
Codes / Label	Flammable Liquid, Class 3	Corrosive, Class 8	Flammable Liquid , Class 3.1
Hazardous Waste ID No.	5	5	5
Description	Clear, colourless, transparent mobile liquid	At all temperatures above the crystallization point, the material is a clear liquid, free from suspended matter.	A clear, colourless liquid.
Odour	Fragrant	Pungent odour	Pungent odour
Solubility	Freely soluble in Alcohol and Acetone	Soluble in Water	Soluble in Water
Boiling Point °C.	77°C	118°C	20.2°C
Freezing Point °C.	-83°C	16.4°C	-123°C
Water Content, % by Mass(Max)	0.05%	0.2%	0.02%
Non-Volatile Residue by Mass	0.01%	0.02%	0.01%
Acidity % by Mass (Max.)	Max.0.005%	Not Applicable	Max.0.03%
Ethanol Content	0.05% Max.	0.01% Max.	0.05% Max.
Refractive Index at 25°C	1.375	1.3698	1.3316
Heavy metals including Iron	Absent	5 ppm Max. by weight	Absent
Chloride as Cl	Absent	1 ppm Max. by weight	1 ppm Max. by weight
Sulphates	1 ppm Max by weight	5 ppm Max. by weight	1 ppm Max. by weight
Formic Acid	Absent	0.15% Max. by weight	0.01% Max. by weight
Acetaldehyde	Absent	0.025% Max. by weight	—
Packing Available	Tanker & Barrels (210 Kgs)	Tanker & Barrels (240 Kgs)	Tanker

CERAMIC MATERIAL DIVISION

Delving Deeper to Rise Above

BALL CLAY

Ball clay a member of kaolinite family, is renowned for its plasticity and green strength, and as such it forms a major part of many ceramic applications, including sanitary ware, tiles, tablewares and to an increasing extent non-ceramic applications like functional fillers and advanced application for example technical ceramics.

They consists varying proportions of kaolinite, mica and quartz, with small amounts of organic matter and other minerals and commercially values because they increase the workability and strength of various ceramic bodies and have white or near white firing characteristics.

Ball clay is processed to minimise the levels of coarse particles. This enhances better workability and higher strength.

QUARTZ

Quartz is one of the most well-known minerals on the earth with numerous uses. Sand, which is composed of tiny quartz pebbles, is the primary ingredient for the manufacture of

glass. it is also used as an abrasive for sandblasting, grinding glass and cutting of soft stones. Quartz powder is also used in ceramic tiles along with feldspar.

FELDSPAR

Feldspar is nonplastic potassium or sodium aluminosilicate mineral represented as $KAlSi_3O_8$ or $NaAlSi_3O_8$. Feldspar is used generally for three purposes:

- Ceramic Manufacturing
- Glass Manufacturing
- Abrasive Manufacturing.

It is used along with ball clay, kaolin and quartz for tiles and sanitaryware manufacturing.

The presence of iron even in small quantity tends to impart coloration.



GLOBAL TRADING DIVISION

Edging Ahead With Trading

A part from the manufacture of Chemicals, the Company also commenced trading in some mineral products mainly for exports from the year 2009 which has given a substantial boost to the top line figures and a ramp-up in revenues as well as profitability.

MAIN MINERALS

Bauxite: Bauxite is an aluminium ore and is the main provider of aluminium. This form of rock consists mostly of the minerals gibbsite $Al(OH)_3$, Boehmite $\gamma-AlO(OH)$, and diaspore $\alpha-AlO(OH)$, in a mixture with the two iron oxides goethite and hematite, the clay mineral kaolinite, and small amounts of anatase TiO_2 .

Application

- Alumina Industry
- Cement
- Chemical
- Metallurgical
- Refractory

Bentonite: Bentonite is an absorbent aluminium phyllosilicate, essentially impure clay consisting mostly of montmorillonite. There are different types of bentonite, each named after the respective dominant element, such as potassium (K), sodium (Na), calcium (Ca), & aluminum (Al).

Bentonite usually forms from weathering of volcanic ash, most often in the presence of water. For industrial purposes, two main classes of bentonite exist, viz.: sodium and calcium bentonite.

Application

- Foundry
- Pharmaceutical
- Soaps & Detergent
- Construction & Civil Engineering
- Oil and Drilling

Kaolin: Kaolin is a soft white mineral which has a large array of uses. It is most commonly found in the form of kaolin clay, a fine clay which was originally produced in China, which is why this clay is sometimes referred to as "China clay." Sources of this mineral can be found all over the world, including the United States, China, Brazil, Australia, and parts of Eastern Europe.

Application

- Paper industry
- Medications
- Skincare products
- Porcelain
- Cosmetics

OTHER MINERALS

Gypsum: Gypsum is a very soft mineral composed of calcium sulfate dihydrate, with the chemical formula $CaSO_4 \cdot 2H_2O$. It is found in alabaster, a decorative stone used in Ancient Egypt. It is the second softest mineral on the Mohs Hardness Scale.

Bleaching Earth: An adsorbent clay that will remove coloring from oils.

Iron Ore: Iron ores are rocks and minerals from which metallic iron can be economically extracted. The ores are usually rich in iron oxides and vary in color from dark grey, bright yellow, deep purple to rusty red.



RESEARCH & DEVELOPMENT

Our Research Our Fineness

Ashok Alco Chem Limited commitment to high quality standards both in terms of product as well as services has elevated its reach far and wide globally to the full satisfaction of its customers and other stake holders. In keeping with its philosophy of quality standards, the Company has standardized its operations and has obtained ISO 9001: 2008 certifications from BVC.

The modern R & D setup at the plant is very well equipped and is involved in continuous upgradation of processes and products for customized competitiveness. We strive for excellence by adhering to the most stringent standards of quality assurance and international best practices like

continuous product innovation, backward integration and latest technical upgradation. We render technical support in application procedures for the various minerals supplied by us for numerous differing industrial applications.

We develop our abilities to work across domains so that our clients may benefit from our shared skill sets, shared resource base and may use us as a common solution provider for all their product needs.



QUALITY POLICY



UKAS-ISO 9001-2008



NABCB-ISO 9001-2008



LOGISTICS & SUPPLY CHAIN

Enhancing Relations. Empowering Reach

Each day, our personnel work round-the-clock to ensure timely delivery of our wide range of commodities to the global marketplace. We ensure that our products meet international standards as well as enable our clients to realise and attain their business goals.

For any business to burgeon, the logistics & supply chain has to be impeccable. AACL understands this fact, which is why special care has been taken by it to connect itself with its existing and potential market by a strong network of roadways.

With a view to support, endorse and promote globalization of Indian companies, we have focused on efficient and economical delivery of crucial material of the Chemical industry. We specialise in effective and well-organized road transport along with efficient handling of lightage operations in smaller ports.



SOCIAL COMMITMENT

Our Environment Our Communities

Ashok Alco Chem Limited (AACL) is a promoter member of Mahad Manufacturer's Association which has set up a medical treatment facility in the industrial area for the benefit of employees, their family members and also the local residents towards fulfillment of its Corporate Social Responsibility. The Company takes pro-active measures in various philanthropic activities to promote community welfare.

AACL participates as a committee member of the Central Effluent Treatment Plant run by the Industrial Area (MIDC) to monitor and control the depletion of environmental assets in the interest of humanity at large.

AACL, from time to time, has setup medical camps for the needy. It has also contributed in enriching the environment by providing free saplings.



OUR NETWORK



Registered Office

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33, New Marine Lines,
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Factory Location

Plot No: A- 22/2/1 Mahad Indl Area,
Village Kamble, Dist - Raigad,
Maharashtra.



Corporate Office

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