

Proprietary Products – Advanced Intermediates



Jubilant Life Sciences manufactures and markets Pyridine and its derivatives, which are used as Advanced Intermediates by Pharmaceutical, Agrochemical and many other industries. Pyridine is a versatile chemical building block and is a precursor to many important Agrochemicals and Pharmaceuticals.

Further downstream in the value chain of Beta Picoline, a co-product of Pyridine, Jubilant offers Niacin and Niacinamide in all grades for pharmaceuticals, cosmetics, food supplements and feed market.

The Company drives the advantage of excellent backward and forward integrated world scale plants that are ISO 9000, ISO 14001 and OHSAS 18001 certified.

The products are approved by more than 275 global pharma, agro and other industrial customers, who rely on the Company's consistent quality and service. Their trust and support has helped Jubilant grow to the # 1 position in the market of Pyridine & its derivatives globally.

Offerings

Pyridine

Pyridine, a basic organic chemical, is a versatile building block and an excellent solvent used in agrochemical, pharmaceutical and other industries. It is completely soluble in water, alcohol, ether and benzene. It acts as an acid scavenger and can catalyze reactions. The largest application of Pyridine is in the manufacture of bipyridyl herbicides – paraquat & diquat. Brominated, Chlorinated, Hydrogenated and other derivatives of Pyridine are popular intermediates for numerous chemical reactions. REACH Status: Registered

Major Applications

- Agrochemicals
- Pharmaceuticals
- Anti-dandruff Shampoos
- Photographic Chemicals
- Dyestuffs & Textiles
- Rubber Chemicals
- Metal Finishes
- Marine Paints
- Electronics

Alpha Picoline

Alpha Picoline, also called 2-Picoline or 2-Methyl Pyridine, is a clear organic liquid. It is completely soluble in water, alcohol and ether.

REACH Status: Pre-registered

Major Applications

- 2-Vinyl Pyridine
- Agrochemicals
- Pharmaceuticals

Beta Picoline

Beta Picoline, also called 3-Picoline or 3-Methyl Pyridine, is a clear organic liquid. It is completely soluble in water, alcohol and ether.

REACH Status: Pre-registered

Major Applications

- Vitamin B-3
- Agrochemicals
- Pharma Intermediates

Gamma Picoline

Gamma Picoline, also called 4-Picoline or 4-Methyl Pyridine, is a clear organic liquid. It is completely soluble in water, alcohol and ether.

REACH Status: Pre-registered

Major Applications

- Pharmaceuticals
- Polymers
- Dyestuffs & Textiles

2-Cyanopyridine

2-Cyanopyridine, is a white to off-white solid at room temperature with almond like odour. It is derived from alpha picoline.

REACH Status: Pre-registered

Major Applications

- Agrochemicals
- Metal Plating
- Pharmaceuticals
- Precious Metal Recovery

3-Cyanopyridine

3-Cyanopyridine is a white crystalline solid. It is most commonly used for manufacture of Niacinamide & Niacin (Vitamin B-3). It is also used to manufacture 3 substituted Pyridine derivatives and industrial intermediates.

REACH Status: Registered

Major Applications

- Vitamin B-3
- Pharmaceuticals
- Agrochemicals

4-Cyanopyridine

4-Cyanopyridine is a white to off-white solid at room temperature. It is derived from Gamma Picoline. It is mainly used in the manufacture of Isoniazid. It is also used to manufacture intermediates for pharmaceuticals and agrochemicals.

REACH Status: Pre-registered

Major Applications

- Pharmaceuticals
- Agrochemicals
- Polymers

Piperidine

Piperidine is a colourless fuming liquid, derived by the hydrogenation of Pyridine. The major application of Piperidine is for production of Dipiperidinyl dithium tetrasulfide, which is used as a rubber vulcanisation accelerator.

REACH Status: Pre-registered

Major Applications

- Rubber vulcanisation
- Epoxy resins curing agent
- Agrochemicals
- Pharmaceuticals
- Dyes



www.jubl.com

Jubilant Life Sciences Limited is an integrated Pharma and Life Sciences Company. It is the largest Custom Research and Manufacturing Services (CRAMS) player and a leading Drug Discovery and Development Solution (DDDS) provider out of India. The Company is ranked at No. 6 among the global contract manufacturing & services companies in the pharmaceutical sector by United Nations Conference on Trade and Development's (UNCTAD) World Investment Report 2011. The Company provides Life Sciences products and services across the value chain, serving its customers globally. With 10 world-class manufacturing facilities and a team of ~ 5800 multi cultural people across the globe, the Company is committed to deliver value to its customers spread across 75 countries. The Company is well recognized as a 'Partner of Choice' by leading life sciences companies worldwide.

Corporate Office : 1A, Sector 16A, Noida-201301, U.P., India, Tel: +91 120 4361000 Fax: +91 120 4234881/84/85/87/95/96, email: support@jubl.com