

NEWS

BREAKING NEWS

GSFC'S MELAMINE PLANT IS NOW FULLY OPERATIONAL

April 2019

GSFC (India) and Casale SA (Switzerland) are pleased to announce that GSFC's 40'000 MT/y **new melamine plant** in Vadodara (India), based on **Casale's Low Energy Melamine (LEM) technology**, has now smoothly reached its design capacity, with specific consumptions in line with the expectations and consistently delivering a premium quality product, in terms of colour and purity.

The plant achieved the mechanical completion early in January this year and was thereafter immediately commissioned.

Casale's LEM technology was originally acquired from Borealis in 2013 and quickly reached a prominent position in the melamine market as shown by 3 contracts already awarded since then. GSFC's melamine plant is the first one which goes on stream.

Gujarat State Fertilizer and Chemicals (GSFC), with operations in Vadadara (India), is a leading producer of caprolactam, urea, other fertilizers, methanol and the only one of melamine in India, with 3 plants on the same site.

Casale SA is a global licensor and provider of multiple solutions for the syngas-based industry, thanks to its complete portfolio of highly efficient and integrated technologies overarching the entire production chain of any N- and P-based fertilizers, plus melamine and methanol, from the natural gas feed up to the end products.



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GSFC'S NEW LEM™ MELAMINE PLANT HAS COMMENCED TRIAL RUNS

January 2019

Casale is happy to congratulate **Gujarat State Fertilizer & Chemical Ltd**, Vadodara (India) on the occasion of the 1st batch of melamine leaving their new melamine factory premises.

GSFC and Casale signed a contract back in 2015 for the new 40'000 MTY plant for which Casale provided the license for the **LEM™** process, basic design and proprietary equipment, while GSFC took charge of all the rest. Initial trial runs of the plants suggested that the LEM™ technology produces good quality melamine.

Melamine, the basic ingredient to produce high end plastic materials with a wide variety of applications, is produced industrially starting from urea and as such represents an interesting and fully viable alternative when diversifying the product portfolio away from fertilizers is key to beat the commodity market cycle and keep an edge over competition.

Few fully proven melamine processes are available on the market and LEM™ stands in the front due to its outstanding features:

- Best energy efficiency
- High melamine conversion efficiency
- Simpler off gas integration in the urea plant
- High quality of the product

3 new contracts have been awarded since Casale took over the technology from **Borealis** in 2013.



BORSODCHEM SELECTS CASALE FOR THEIR SECOND NITRIC ACID PLANT

January 2019

Casale and **Borsodchem**, a subsidiary of Wuhua Chemical Group (China) have sealed a contract for the supply of a new 660 MTD, nitric acid plant at the Kazincbarcika factory in Hungary. The plant will produce 68% strength acid and it is based on Casale's NA2000 dual-pressure process, the same applied in the first, identical unit which has been in operation since 2012 on the same site. Casale scope of supply includes the provision of the license, the basic engineering, the review of detail engineering and site assistance.

"We are very pleased by the continued trust placed by Borsodchem on us and our nitric acid technology also for their second plant. Casale is strongly committed to deliver the same level of high quality, superior performances and long-term reliability as the first one which is in operation since 2012", has commented Mr F. Zardi, CEO of Casale.

NA2000 is Casale's Dual Pressure nitric acid process originally developed by GPN that Casale has acquired in 2014 together with Borealis Nitrates and Phosphates fertilizer technology portfolio.

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