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BASF Geismar Verbund Site

Geismar, Louisiana, USA

Geismar, Louisiana, is BASF's largest manufacturing site in North America. The Geismar Verbund site manufactures basic and specialty chemicals, intermediates and polyurethanes. Operations at the new methylamines plant began in 2011.

The cornerstones of BASF's presence in the important North American chemical market are the sites in Geismar, Louisiana and Freeport, Texas, both of which operate according to the Verbund principle. These sites are further strengthened by the steam cracker in Port Arthur, Texas.

(01) Methylamines plant – BASF Geismar Verbund Site

10/20/2013; 10:31; A1/A2: Atmo; FullHD



The new plant for the production of methylamines at the integrated Verbund site in Geismar operates since 2011. The methylamines will serve as raw materials for some 20 different specialty amines produced by BASF at existing facilities in Geismar.

Around the world, BASF offers an outstanding diverse range of amines. Along with alkyl-, alkanol-, alkoxyalkyl-, di- and polyamines, the company offers aromatic as well as heterocyclic amines and an expanding portfolio of chiral amines of high optical and chemical purity.

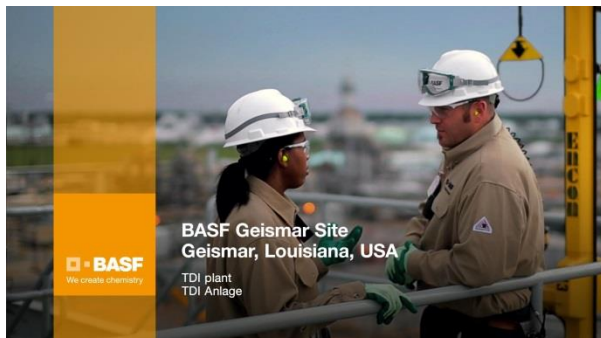


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(02) TDI plant – BASF Geismar Verbund Site

10/20/2013; 06:26; A1/A2: Atmo; FullHD

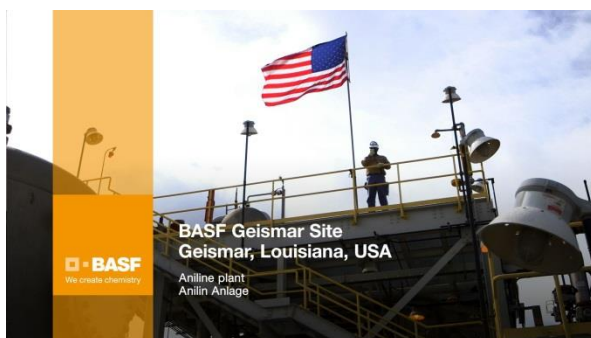


TDI (toluene diisocyanate) is a key component for the polyurethanes industry. To a large extent it is used in the automotive industry (e.g. seating cushion and interior applications) as well as in the furniture segment (e.g. flexible foams for mattresses, cushions or wood coating).

BASF is a leading supplier of basic products for polyurethanes and operates TDI plants in Geismar, Louisiana; Yeosu, Korea; Caojing, China; Schwarzheide, Germany; and as of 2014 in Ludwigshafen, Germany.

(03) Aniline plant – BASF Geismar Verbund Site

10/20/2013; 07:10; A1/A2: Atmo; FullHD



The Aniline is an aromatic amine which is mainly used as feed stock for polyurethanes. However, BASF supplies Aniline also to the rubber chemicals industry where it is used in the production of vulcanization



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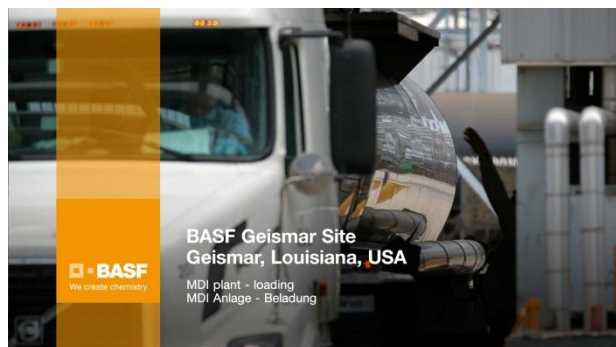
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accelerators and antidegradants. Other fields of application include dyes and pigments or agricultural chemicals.

In our integrated production facilities – our Verbund – we produce a broad range of basic chemicals and higher value products in Europe, Asia and North America for our internal and external customers.

(04) MDI plant (loading) – BASF Geismar Verbund Site

10/20/2013; 03:45; A1/A2: Atmo; FullHD



MDI (diphenylmethane diisocyanate) is a core component for versatile polyurethane (PU) products. Polyurethane is used extensively for cold as well as heat insulation applications and is the preferred material for keeping food and medications cold during production, distribution and storage.

With its unique insulation properties, PU is used in the majority of refrigerators and freezers, for the insulation of hot water tanks, and for district heating or cooling pipeline insulation.



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(05) Site impressions – BASF Geismar Verbund Site

10/20/2013; 09:58; A1/A2: Atmo; FullHD

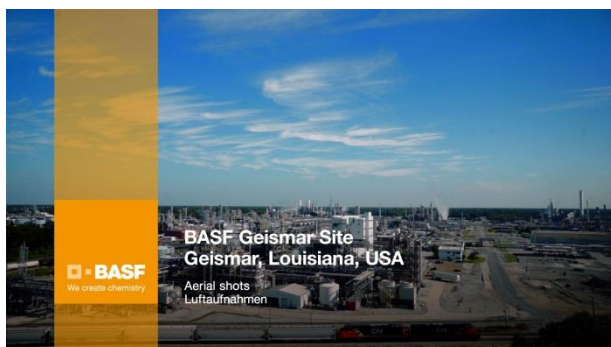


BASF is building a world scale production plant for formic acid at its integrated “Verbund” site in Geismar, Louisiana. Start-up of the new plant is expected in the 2nd half 2014. It will be the only formic acid production plant in North America and will have an annual capacity of more than 50,000 tons.

Formic acid is an environmentally acceptable and highly efficient organic acid. It is used in many areas, from leather processing to feed preservation. Potassium formate, a salt of formic acid, is a highly efficient deicing agent for roads and airport runways. It is environmentally friendly, readily biodegradable and it protects the environment.

(06) Aerial shots – BASF Geismar Verbund Site

10/20/2013; 08:30; A1/A2: Atmo; FullHD





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In line with the company's "We create chemistry" strategy, BASF focuses on sustainable products such as formic acid, which not only has an excellent eco-profile in its applications, but also in its production as part of the company's Verbund concept.

This concept is one of BASF's greatest strengths, linking production and energy requirements in an efficient manner. BASF's Geismar production site incorporates the Verbund concept and allows BASF to maximize production efficiencies of formic acid while helping to protect the environment by reducing waste and cutting emissions, and keeping resource consumption and transportation to a minimum.

