

Thann Plant

95 Rue du General De Gaulle - BP10059
Thann F-68801
France



Millennium Inorganic Chemicals Thann, a Cristal company, is the world's second largest producer of titanium dioxide TiO_2 . TiO_2 is a white pigment used to provide whiteness, brightness, opacity and durability to paint and coatings, plastics, paper and elastomers. Thann is in the Thur Valley in Alsace, France, near the border with Germany and Switzerland. The Thann Plant is located on a 15-hectare site in a manufacturing complex with PPC. The Ochsenfeld site, an 80-hectare effluent treatment and reclamation plant, is located 3 kilometers away from the valley.

In 1922, the Thann plant became the first in the world to produce TiO_2 . The plant produces TiO_2 through a sulfate-based process, a wet chemical process that uses sulfuric acid to extract and purify TiO_2 in anatase crystal form. The raw pigment is then finished into a product with specific performance characteristics for particular end-use applications, essentially in the paper, paint, plastic and rubber markets. Specialty and high-performance TiO_2 products produced at Thann include titanium tetrachloride that is used in the manufacture of TiO_2 , in the automotive industry (pearlescent pigments for automotive paints) and also as a catalyst in the chemical industry. Another product, ultrafine TiO_2 , is primarily used to improve our environment (air and water pollution control) and in the design of self-cleaning surfaces (photocatalysis).

Performance Summary

The Thann Plant's commitment to sustainable growth balances our responsibility to provide economic value for our stakeholders with respect for the social concerns of the community in which we operate and with care for the environment around us.

PROVIDING ECONOMIC VALUE

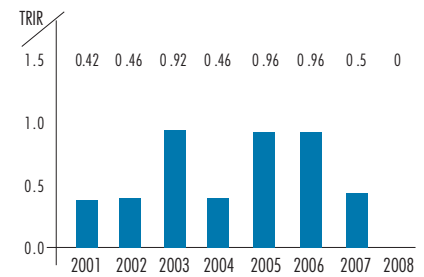
- Approximately 320 employees and contractors
- Annual payroll and benefits of almost 17 million euros
- Site purchases approximately 25,6 million euros of goods and services annually
- Annual property taxes of 272,000 euros
- Annual environmental and other taxes of 1.5 million euros

RESPECTING SOCIAL CONCERNS

We recognize that being a socially responsible member of the community requires maintaining an open door for dialogue with the community and actively working to support community needs.

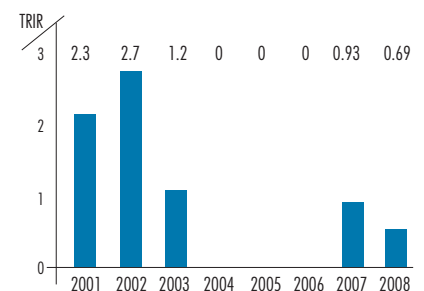
- **Education.** The site supports science education through partnership activities with local schools. Activities include career day activities, science fair participation, and facility tours.

Employees: frequency rate per OSHA definition
(total number of accidents per 200,000 hours worked)



The only accident with work stoppage dates to 2007, or 9 years later than the previous one. Safety Awards obtained in 2002 and 2005 among a group of 46 chemical plants in Alsace.

Contractors: frequency rate per OSHA definition
(total number of accidents per 200,000 hours worked)



The last accident with work stoppage per OSHA definition dates from 2001.

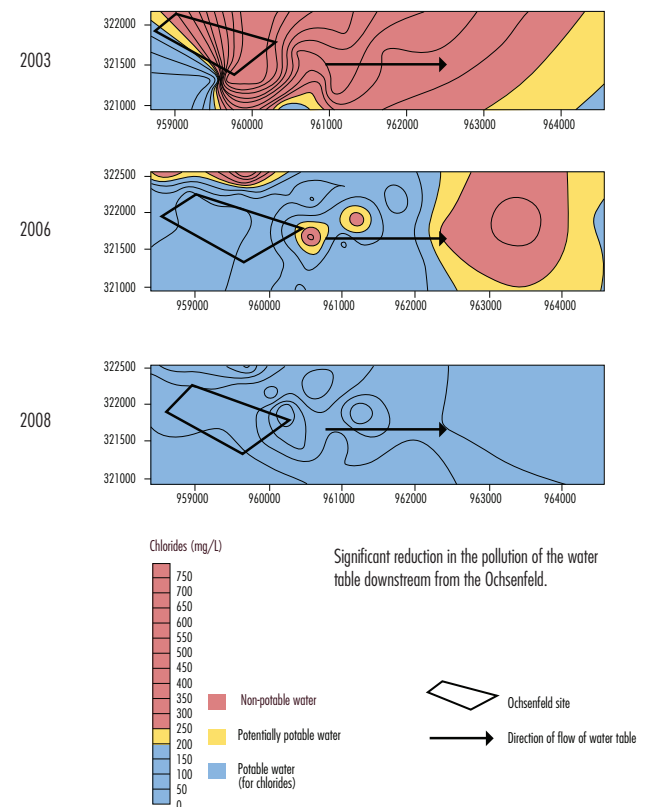
- **Community Outreach.** Plant management meets regularly with the mayors of surrounding cities to maintain an open dialogue on plant operations. The management team also meets with close neighbors to share information about the plant and to discuss community concerns or expectations. Additional public information sharing occurs through meetings organized with local and national journalists.
- **Community Involvement.** The plant manager is a member of the steering committee of the local secondary school, Lycée Scheurer Kestner. Plant visits are organized regularly to introduce students to the chemical industry and discuss safety and environmental topics.
- **Volunteerism.** Employees are encouraged to volunteer their time to local community organizations. Many employees participate in improving the quality of life in their villages, including serving on the safety rescue team as volunteer firemen.
- **Philanthropy.** The company supports local sporting associations and local arts events.

CARING FOR THE ENVIRONMENT

Our commitment as a socially responsible company means that we operate our facilities in a manner that protects people and the environment and preserves our world for future generations. At the Ochsenfeld facility, more than 40 million euros have been spent over the past six years to reclaim neutralization products and improve the quality of the underground water. The company is committed to continuous improvement in safety, security, environmental performance, reliability and open communication.

- **Safety Performance.** Between 1998 and 2007, our employees experienced no accidents involving lost workday injuries. The plant was recognized in 2002 and 2006 with a safety award for the best results among 46 chemical plants in Alsace. Since 2006, a program has been developed to analyze and improve our performance. In industrial hygiene, action plans have been developed on the basis of the "Document Unique" (a risk evaluation document) in order to improve working conditions and risk control.
- **Environmental.** The plant has reduced SO₂ emissions by 75% since 1990. These results have been confirmed by the ASPA, the association which surveys the atmospheric pollution in Alsace. The ultrafine TiO₂ produced at the site is used for elimination of nitrogen oxides from truck exhaust and power plant fumes, and also to eliminate sulfur in the refining of crude oil. In Ochsenfeld, a 3.5 km long pipe has been constructed to protect underground water aquifers in the region from the industrial pollution of the past.
- **Enhanced Value.** The plant reclaims or recycles its coproducts:
 - recycled ammonia
 - recycled and recovered hydrochloric acid
 - reclaimed iron sulphate and iron chlorosulfate
 - CO₂ recycled by PPC
 - white gypsum reclaimed for use in the cement industry
 - red gypsum recycled as roofing materials
 These activities contribute significantly to reducing our environmental impact.
- **Safety Procedures.** The site has a program in place to ensure the safe operation and maintenance of our processes so that accidental releases are prevented. An FMECA (Failure Mode, Effects and Criticality Analysis) program has been specifically developed. Risk analyses of the installations are periodically reviewed.

Chloride content in the water table at Ochsenfeld



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National Titanium Dioxide Company Ltd. ("Cristal") and Millennium Inorganic Chemicals (MIC) combine to form the world's second-largest producer of titanium dioxide and a leading producer of titanium chemicals. Cristal and MIC operate eight manufacturing plants in six countries and employ nearly 4,000 people worldwide. MIC is a wholly owned subsidiary of Cristal.

Visit www.cristalglobal.com for more information about the company and its products.