

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 8-K

CURRENT REPORT
Pursuant To Section 13 OR 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): **March 17, 2005**

MINERALS TECHNOLOGIES INC.

(Exact name of registrant as specified in its charter)

Delaware

1-3295

25-1190717

(State or other jurisdiction
of incorporation)

(Commission File
Number)

(IRS Employer
Identification No.)

405 Lexington Avenue, New York, NY

10174-1901

(Address of principal executive offices)

(Zip Code)

(212) 878-1800

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions.

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01 Other Events.

On March 17, 2005, Minerals Technologies Inc. issued a press release regarding the construction of a 200,000 ton-per year merchant facility in South Carolina for the production of Synsil[®] Products. A copy of the press release is attached hereto as Exhibit 99.1 and incorporated by reference herein.

Item 9.01 Financial Statements and Exhibits.

(c) Exhibits

99.1 Press Release dated March 17, 2005

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

MINERALS TECHNOLOGIES INC.
(Registrant)

By: /s/ Kirk G. Forrest


Name: Kirk G. Forrest
Title: Secretary

Date: March 18, 2005

MINERALS TECHNOLOGIES INC.

EXHIBIT INDEX

Exhibit No.	Subject Matter
99.1	Press Release dated March 17, 2005

News

For Immediate Release
March 17, 2005

Contact:

Rick B. Honey
(212) 878-1831

**MINERALS TECHNOLOGIES ANNOUNCES CONSTRUCTION OF
A 200,000 TON-PER YEAR MERCHANT FACILITY IN SOUTH CAROLINA
FOR THE PRODUCTION OF SYNซิล® PRODUCTS**

NEW YORK, March 17--Minerals Technologies Inc. (NYSE: MTX) today announced that it will construct a facility in Chester, South Carolina, to produce Synsil® Products, a new composite mineral for the glass industry.

"We are very pleased to announce that we will be building a plant to produce approximately 200,000 tons per year of Synsil® Products, our innovative new raw material for the glass industry that we believe provides a value-added alternative to the conventional glass manufacturing process," said Paul R. Saueracker, chairman, president and chief executive officer. "This plant will be a merchant facility that will initially provide the material to a glass manufacturer that has signed a multi-year contract to purchase Synsil® Products. We expect the plant to be operational in the fourth quarter of 2005."

Minerals Technologies Inc. invented Synsil® Products in its research and development laboratories in Bethlehem, Pennsylvania. In glass production, Synsil® Products facilitates quicker melting and integration of raw materials, allows higher yields, lowers furnace temperatures, reduces energy, increases throughput and reduces emissions. Minerals Technologies now has four commercial supply agreements for the use of the product--two of the contracts are with one glass manufacturer and another is with a small producer of specialty glass.

"We continue to run trials of Synsil® Products with other major glass manufacturers in the United States," said Gerald Mehner, vice president and general manager of Synsil® Products Inc. "We are hopeful that we will be announcing additional supply agreements in 2005."

MTI is a global resource- and technology-based growth company that develops produces and markets the highest quality performance-enhancing minerals and related products, systems and services for the paper, steel, polymer and other manufacturing industries. The company reported sales of \$923.7 million in 2004.

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*For further information about Minerals Technologies Inc. look on the Internet at
www.mineralstech.com*

This press release contains some forward-looking statements, which describe or are based on the company's current expectations. Actual results may differ materially from these expectations. The company undertakes no obligation to publicly update any forward-looking statement, whether as a result of new information, future events, or otherwise. Forward-looking statements in this document should be evaluated together with the many uncertainties that affect our businesses, particularly those mentioned in the cautionary statements of our 2004 Form 10-K and in our other reports filed with the Securities and Exchange Commission.
