

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): **May 17, 2006**

**MINERALS TECHNOLOGIES INC.**

(Exact name of registrant as specified in its charter)

**Delaware**



(State or other jurisdiction  
of incorporation)

**1-3295**



(Commission File  
Number)

**25-1190717**



(IRS Employer  
Identification No.)

**405 Lexington Avenue, New York, NY**



(Address of principal executive offices)

**10174-0002**



(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))

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**Item 5.02      Departure of Directors or Principal Officers; Election of Directors; Appointment of Principal Officers.**

(b)    On May 17, 2006, Mr. John B. Curcio notified the registrant of his resignation from the registrant's Board of Directors effective May 29, 2006. Mr. Curcio's resignation is consistent with the Board of Directors' policy that a director resign from the Board upon reaching the age of 72.

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**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:

  
Name: Kirk G. Forrest

Title: Secretary

Date: May 17, 2006