

MINERALS TECHNOLOGIES INC  
 Form 4  
 November 26, 2007

**FORM 4**

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

OMB APPROVAL

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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 BOURUET AUBERTOT ALAIN

(Last) (First) (Middle)

MINERALS TECHNOLOGIES INC., 405 LEXINGTON AVENUE

(Street)

NEW YORK, NY 10174

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
 MINERALS TECHNOLOGIES INC [MTX]

3. Date of Earliest Transaction (Month/Day/Year)  
 11/21/2007

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 FORMER SENIOR VICE PRESIDENT

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |   |        | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |            |       |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--------|---|--|---|------------|-------|
|                                 |                                      |  |                                | Code  | V | Amount |   |  |   | (A) or (D) | Price |
| Common Stock                    | 11/21/2007                           |  | M                              |   |   | 8,000  | A   | \$ 39.3  | 11,321  | D          |       |
| Common Stock                    | 11/21/2007                           |  | S                              |   |   | 8,000  | D   | \$ 66.48   | 3,321   | D          |       |
| Common Stock                    | 11/21/2007                           |  | M                              |   |   | 10,000 | A   | \$ 49.12   | 13,321  | D          |       |
| Common Stock                    | 11/21/2007                           |  | S                              |   |   | 10,000 | D   | \$ 66.48   | 3,321   | D          |       |
| Common Stock                    | 11/21/2007                           |  | M                              |   |   | 9,800  | A   | \$ 53.89   | 13,121  | D          |       |

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|              |            |   |       |   |          |                    |   |                |
|--------------|------------|---|-------|---|----------|--------------------|---|----------------|
| Common Stock | 11/21/2007 | S | 9,800 | D | \$ 66.48 | 3,321              | D |                |
| Common Stock | 11/21/2007 | M | 4,334 | A | \$ 61.94 | 7,655              | D |                |
| Common Stock | 11/21/2007 | S | 4,334 | D | \$ 66.48 | 3,321              | D |                |
| Common Stock | 11/21/2007 | M | 2,900 | A | \$ 54.23 | 6,221              | D |                |
| Common Stock | 11/21/2007 | S | 2,900 | D | \$ 66.48 | 3,321              | D |                |
| Common Stock |            |   |       |   |          | 765 <sup>(1)</sup> | I | By 401(K) Plan |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474  
(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | Amount or Number of Shares |                            |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|----------------------------|----------------------------|
|  |  |                                      |  | Code                           | V (A) (D)   | Date Exercisable   | Expiration Date   | Title                      | Amount or Number of Shares |
| Employee Stock Option (Right to Buy)       | \$ 39.3  | 11/21/2007                           |  | M                              | 8,000   | <sup>(2)</sup> 01/23/2013                                | Common Stock  | 8,000                      |                            |
| Employee Stock Option (Right to Buy)       | \$ 49.12   | 11/21/2007                           |  | M                              | 10,000  | <sup>(3)</sup> 07/01/2013                                | Common Stock  | 10,000                     |                            |
| Employee Stock Option (Right to Buy)       | \$ 53.89   | 11/21/2007                           |  | M                              | 9,800   | <sup>(4)</sup> 02/25/2014                                | Common Stock  | 9,800                      |                            |

Buy)

Employee

Stock

|                             |          |            |   |       |            |            |                 |       |
|-----------------------------|----------|------------|---|-------|------------|------------|-----------------|-------|
| Option<br>(Right to<br>Buy) | \$ 61.94 | 11/21/2007 | M | 4,334 | <u>(5)</u> | 02/23/2015 | Common<br>Stock | 4,334 |
|-----------------------------|----------|------------|---|-------|------------|------------|-----------------|-------|

Employee

Stock

|                             |          |            |   |       |            |            |                 |       |
|-----------------------------|----------|------------|---|-------|------------|------------|-----------------|-------|
| Option<br>(Right to<br>Buy) | \$ 54.23 | 11/21/2007 | M | 2,900 | <u>(6)</u> | 02/22/2016 | Common<br>Stock | 2,900 |
|-----------------------------|----------|------------|---|-------|------------|------------|-----------------|-------|

## Reporting Owners

### Reporting Owner Name / Address

### Relationships

Director   10% Owner   Officer   Other

BOURUET AUBERTOT ALAIN  
MINERALS TECHNOLOGIES INC.  
405 LEXINGTON AVENUE  
NEW YORK, NY 10174

FORMER SENIOR VICE PRESIDENT

## Signatures

LASZLO SERESTER FOR ALAIN  
BOURUET-AUBERTOT

11/26/2007

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

- (1) Mr. Bouruet-Aubertot has 765 shares of Minerals Technologies Inc. stock under the Company's 401(k) Plan. The information contained in this report is based on a plan statement dated as of November 23, 2007.
- (2) The options vested in three equal annual installments beginning on January 23, 2004.
- (3) The options vested in three equal annual installments beginning on July 1, 2004.
- (4) The options vested in three equal annual installments beginning on February 25, 2005.
- (5) The options vested in two equal annual installments beginning on February 23, 2006.
- (6) The options vested on February 22, 2007.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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