

MINERALS TECHNOLOGIES INC  
 Form 4  
 February 27, 2009

**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 \*  
 MASSIMINE KENNETH L

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

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)

(Last) (First) (Middle)  
 MINERALS TECHNOLOGIES  
 INC., 405 LEXINGTON AVENUE  
 (Street)

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 02/25/2009

\_\_\_\_ Director  
 Officer (give title below) \_\_\_\_\_ 10% Owner  
 \_\_\_\_\_ Other (specify below)  
 Senior Vice President

NEW YORK, NY 10174

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

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

(City) (State) (Zip)

**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 Ownership (Instr. 4) |           |   |                |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|-----------|---|----------------|
|                                 |                                      |  |                                | (A) or (D)  | Price   |  |                                   |           |   |                |
|                                 |                                      |  |                                | Code  | V   | Amount   |                                   |           |   |                |
| Common Stock                    | 02/25/2009                           |  | M                              |   | 3,600   | A  | \$ 14,466                         | D         |   |                |
| Common Stock                    | 02/25/2009                           |  | F                              |   | 1,242   | D  | \$ 31.48                          | 13,224    | D |                |
| Common Stock                    |                                      |  |                                |   |   |  |                                   | 2,933 (2) | I | By 401(k) Plan |

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

**Persons who respond to the collection of information contained in this form are not required to respond unless the form**

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 (9-02)

displays a currently valid OMB control number.

**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) | 8. F                       |       |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|----------------------------|-------|
|  |  |                                      |  |                                |   |  | Title   | Amount or Number of Shares |       |
|  |  |                                      |  | Code                           | V (A) (D)   | Date Exercisable   | Expiration Date   |                            |       |
| Deferred Restricted Stock Units ("DRSUs")  | <u>(1)</u>   | 02/25/2009                           |  | M                              | 3,600   | <u>(3)</u>   | <u>(3)</u>  | Common Stock               | 3,600 |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |                       |       |
|---|---------------|-----------|-----------------------|-------|
|   | Director      | 10% Owner | Officer               | Other |
| MASSIMINE KENNETH L<br>MINERALS TECHNOLOGIES INC.<br>405 LEXINGTON AVENUE<br>NEW YORK, NY 10174 |               |           | Senior Vice President |       |

## Signatures

Charles E. Malone for Kenneth L. Massimine  
 02/27/2009  
 \*\*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) Each DRSU is the economic equivalent of one share of Minerals Technologies Inc. Common Stock.
- (2) Mr. Massimine has 2,933 shares of Minerals Technologies Inc. Common Stock under the Company's 401(k) Plan. The information in this report is based on a Plan Statement dated as of February 24, 2009.
- (3) Mr. Massimine was granted 3,600 DRSUs on February 25, 2004, which vested five years from the date of the grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.