

MINERALS TECHNOLOGIES INC

Form 4

February 29, 2008

FORM 4**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

Check this box
if no longer
subject to
Section 16.
Form 4 or
Form 5
obligations
may continue.
See Instruction
1(b).

**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

OMB APPROVAL

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(Print or Type Responses)

1. Name and Address of Reporting Person *
DIETRICH DOUGLAS T

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)

02/27/2008

____ Director ____ 10% Owner
____ Officer (give title below) ____ Other (specify below)

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 Indirect Beneficial Ownership (Instr. 4)
Common Stock			Code V	Amount (D) Price	147 ⁽¹⁾	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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information contained in this form are not
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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)**

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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)			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option (Right to Buy)	\$ 64.16	02/27/2008		A		5,000		<u>(2)</u>	02/27/2018	Common Stock	5,000
Deferred Restricted Stock Units ("DRSUs")	<u>(3)</u>	02/27/2008		A		2,800		<u>(4)</u>	<u>(4)</u>	Common Stock	2,800

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
DIETRICH DOUGLAS T MINERALS TECHNOLOGIES INC. 405 LEXINGTON AVENUE NEW YORK, NY 10174	Vice President

Signatures

Laszlo Serester for Douglas T.
Dietrich 02/29/2008

__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. Dietrich has 147 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 February 27, 2008.
- (2) The options vest in three equal annual installments beginning on February 27, 2009.
- (3) Each DRSU is the economic equivalent of one share of Minerals Technologies Inc. Common Stock.
- (4) DRSUs vest in three equal annual installments beginning on February 27, 2009. Vested shares will be delivered to the reporting person upon vesting.

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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