

MINERALS TECHNOLOGIES INC  
 Form 3  
 January 10, 2008

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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 * Â MONAGLE DJ III (Last) (First) (Middle)  MINERALS TECHNOLOGIES INC., Â 405 LEXINGTON AVENUE (Street)  NEW YORK, Â NY Â 10174 (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 01/02/2008	3. Issuer Name and Ticker or Trading Symbol MINERALS TECHNOLOGIES INC [MTX]	4. Relationship of Reporting Person(s) to Issuer  (Check all applicable)  <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) Vice President	5. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
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**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	149	D	Â
Common Stock	49 <sup>(1)</sup>	I	By 401(k) Plan

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security	4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	
Employee Stock Option (Right to Buy)	Â (2)	02/25/2014	Common Stock	750	\$ 53.89	D	Â
Employee Stock Option (Right to Buy)	Â (3)	01/17/2016	Common Stock	1,000	\$ 56.53	D	Â
Employee Stock Option (Right to Buy)	Â (4)	04/26/2016	Common Stock	1,100	\$ 59.33	D	Â
Employee Stock Option (Right to Buy)	Â (5)	04/25/2017	Common Stock	1,100	\$ 64.61	D	Â
Deffered Restricted Stock Units ("DRSUs")	Â (6)	Â (6)	Common Stock	466	\$ (7)	D	Â
DRSUs	Â (8)	Â (8)	Common Stock	700	\$ (7)	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MONAGLE DJ III MINERALS TECHNOLOGIES INC. 405 LEXINGTON AVENUE NEW YORK, NY 10174	Â	Â	Â Vice President	Â

## Signatures

Laszlo Serester for D.J.  
Monagle III

01/10/2008

\*\*Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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. Monagle has 49 shares of Minerals Technologies Inc. stock under the Company's 401(k) Plan. The information in this report is based on a plan statement dated as of January 9, 2008.
  - (2) Mr. Monagle was granted 3,000 options on February 25, 2004, vesting in four equal annual installments beginning on February 25, 2005. Mr. Monagle exercised his right to buy 2,250 shares.
  - (3) Mr. Monagle was granted 1,500 options on January 17, 2006, vesting in three equal annual installments beginning on January 17, 2007. Mr. Monagle exercised his right to buy 500 shares.
  - (4) The options vest in three equal annual installments beginning on April 26, 2007.
  - (5) The options vest in three equal annual installments beginning on April 25, 2008.
  - (6) Mr. Monagle was granted 700 DRSUs on April 26, 2006, vesting in three equal annual installments beginning on April 26, 2007. Vested shares are delivered to the reporting person upon vesting. Accordingly, the first installment was delivered to Mr. Monagle on April 26,

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2007.

(7) Each DRSU is the economic equivalent of one share of Minerals Technologies Inc. Common Stock.

(8) DRSUs vest in three equal annual installments beginning on April 25, 2008. Vested shares will be delivered Mr. Monagle 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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