

MINERALS TECHNOLOGIES INC  
Form 4  
March 16, 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 \*  
SOREL JOHN A

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)

3. Date of Earliest Transaction  
(Month/Day/Year)  
03/14/2007

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

MINERALS TECHNOLOGIES INC., 405 LEXINGTON AVENUE  
(Street)

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

NEW YORK,, NY 10174

(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)			
			Code	V	Amount	(A) or (D)	Price			
Common Stock	03/14/2007		M		5,714	A	\$ 39.53	10,319	D	
Common Stock	03/14/2007		F		3,700	D	\$ 61.05	6,619	D	
Common Stock	03/16/2007		M		15,000	A	\$ 39.53	21,619	D	
Common Stock	03/16/2007		S		15,000	D	\$ 60.9	6,619	D	
Common Stock								2,889 <sup>(1)</sup>	I	By 401(k) Plan

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

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(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)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares
Employee Stock Option (Right to Buy)	\$ 39.53	03/14/2007		M	5,714	(2) 01/28/2009	Common Stock 5,714
Employee Stock Option (Right to Buy)	\$ 39.53	03/16/2007		M	15,000	(2) 01/28/2009	Common Stock 15,000

## Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
SOREL JOHN A MINERALS TECHNOLOGIES INC. 405 LEXINGTON AVENUE NEW YORK,, NY 10174	Senior Vice President

## Signatures

Laszlo Serester for John A.  
Sorel 03/16/2007

\_\_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. Sorel has 2,889 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 22, 2007.
- (2) The options vested in three equal annual installments beginning on January 28, 2000.

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.