MINERALS TECHNOLOGIES INC

Form 4

March 16, 2007

FORM 4

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

OMB Number:

3235-0287 January 31,

0.5

if no longer subject to

Check this box

Section 16. Form 4 or

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

Expires: 2005 Estimated average burden hours per

OMB APPROVAL

response...

Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * SOREL JOHN A

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

MINERALS TECHNOLOGIES INC

(Check all applicable)

[MTX]

03/14/2007

(Last)

(Middle)

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

Director 10% Owner _X__ Officer (give title Other (specify

below)

Senior Vice President

MINERALS TECHNOLOGIES INC., 405 LEXINGTON AVENUE

(Street)

(First)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

NEW YORK,, NY 10174

(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative	Securi	ities Acqu	ired, Disposed of	f, or Beneficial	ly 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 on(A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(D)	Price	(Instr. 3 and 4)		
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 (1)	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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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. Transactic Code (Instr. 8)	5. Number of orDerivative 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	<u>(2)</u>	01/28/2009	Common Stock	5,714
Employee Stock Option (Right to Buy)	\$ 39.53	03/16/2007		M		15,000	<u>(2)</u>	01/28/2009	Common Stock	15,000

Reporting Owners

Reporting Owner Name / Address	Keiationsinps						
	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

Reporting Owners 2

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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.