SEC Form 4

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person*	2. Issuer Name **and** Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)

1. Name and Address of Reporting Person*

MASSIMINE KENNETH L

(Last)   (First)   (Middle)

MINERALS TECHNOLOGIES INC.

405 LEXINGTON AVENUE

(Street)

NEW YORK   NY   10174

(City)   (State)   (Zip)

2. Issuer Name **and** Ticker or Trading Symbol

MINERALS TECHNOLOGIES INC [**MTX**]

3. Date of Earliest Transaction (Month/Day/Year)
02/22/2007

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

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

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

SENIOR VICE PRESIDENT

6. Individual or Joint/Group Filing (Check Applicable Line)

X   Form filed by One Reporting Person

     Form filed by More than One Reporting Person

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	02/22/2007		M		1,934	A	(1)	4,934	D	
Common Stock								2,512(2)	I	By 401(k) Plan

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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Deferred Restricted Stock Units ("DRSUs")	$0(1)	02/22/2007		M			1,934	(3)	(3)	COMMON STOCK	1,934	(1)	15,866	D	

Explanation of Responses:

1. Each DRSU is the economic equivalent of one share of Minerals Technologies Inc. Common Stock.

2. Mr. Massimine has 2,512 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.

3. Mr. Massimine was granted 5,800 DRSUs on February 22, 2006, vesting in three equal annual installments starting on the first anniversary of the grant date. Accordingly, 1,934 DRSUs representing the first such installment vested on February 22, 2007.

Remarks:

LASZLO SERESTER FOR KENNETH L. MASSIMINE   02/23/2007

** Signature of Reporting Person   Date