Instruction 1(b).

FORM 4

Check this box if no longer subject to

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

Section 16. Form 4 or Form 5 obligations may continue. See 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* MASSIMINE KENNETH L (Last) (First) (Middle) MINERALS TECHNOLOGIES INC.						2. Issuer Name and Ticker or Trading Symbol MINERALS TECHNOLOGIES INC [MTX] 3. Date of Earliest Transaction (Month/Day/Year) 05/22/2008											elationship of Reporting Person(s) to Issuer bek all applicable) Director 10% Owner Cofficer (give title below) Senior Vice President				vner
405 LEXINGTON AVENUE (Street) NEW YORK NY 10174 (City) (State) (Zip)					-	4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person													n		
Table I - Non-Deriv 1. Title of Security (Instr. 3) 2. Trans. Date (Month/It					action	ear)	2A. Deemed Execution Date, if any (Month/Day/Year)		3. Tra	ınsac de (in	tion	4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4				r 5. Amou and Securiti Benefici Owned I		nt of es ally Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership
									Со	de	v	Amount		(A) or (D)	Price		Reported Transact (Instr. 3 a	ion(s)			(Instr. 4)
Common Stock 05/22					2/200	/2008				Л		10,00	0	A	\$34.83		17,051			D	
Common Stock				05/2	05/22/2008				5	5		10,00	0	D	\$69.7	77	7,0	051		D	
Common Stock																2,640(1)			I	By 401(k) Plan	
		-	Table II -									osed of, onverti				/ O	wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Da	Date,	4. Transaction Code (Instr. B)		n of		6. Dat Expira (Mont	ation	Date		of Se Unde Deriv	7. Title and Amo of Securities Underlying Derivative Secur (Instr. 3 and 4)		De Se	Price of Derivative Security Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	Ow For Oir Or (I)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exerc	isable		Expiration Date	Title		Amount or Number of Shares						
Employee Stock Option	\$34.83	05/22/2008			M			10,000	(2)	(3/16/2011	Com Sto	mon ock	10,000		\$0	59,68	1	D	

Explanation of Responses:

- 1. Mr. Massimine has 2,640 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 May 21, 2008.
- 2. The options vested in three equal annual installments beginning on March 16, 2002.

Remarks:

Charles Malone for Kenneth L. 05/22/2008 **Massimine**

** Signature of Reporting Person

Date

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

- * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.