

MUSCARI JOSEPH C  
Form 4  
January 31, 2011

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 \*  
MUSCARI JOSEPH C

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)  
622 THIRD AVENUE  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
01/27/2011

\_\_\_\_ Director  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
CHIEF EXECUTIVE OFFICER

NEW YORK, NY 10017

(City) (State) (Zip)

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

**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)				
				(A) or (D)	Price						
Common Stock	01/27/2011		M	V	13,010	A	Ⓐ	46,445	D		
Common Stock	01/27/2011		F		5,290	D	\$ 64.45	41,155	D		
Common Stock								779	Ⓐ	I	By 401(k)

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

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SEC 1474  
(9-02)

number.

**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)	8. Amount or Number of Shares
Deferred Restricted Stock Units (DRSUs)	(1)	01/27/2011		M	13,010	(3) (3)	Common Stock	13,010

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MUSCARI JOSEPH C 622 THIRD AVENUE NEW YORK, NY 10017			CHIEF EXECUTIVE OFFICER	

## Signatures

By: Thomas J. Meek for Joseph C. Muscari 01/31/2011

\*\*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) Each DRSU is the economic equivalent of one share of Mineral Technologies Inc. Common Stock.

(2) The information contained in this report is based on a Plan Statement dated as of January 27, 2011.

(3) The DRSU's were granted on January 27, 2010 and vest in two equal installments beginning on January 27, 2011.

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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