

SECURITIES EXCHANGE COMMISSION

Washington, DC 20549

Under the Securities Exchange Act of 1934

(Amendment No. 4)

MINERALS TECHNOLOGIES, INC.
(Name of Issuer)

Common
(Title of Class of Securities)

Date of Event Which Requires Filing of this Statement
March 19, 2001

Check the appropriate box to designate the rule
pursuant to which this Schedule is filed

X Rule 13d-2(b)
603158106
(CUSIP NUMBER)

1)	Name of Reporting Person	Pioneer Investment Management Inc.
	IRS Identification No. of Above	13-1961193
2)	Check the Appropriate Box of A Member of Group (See Instructions)	(a) (b) X
3)	SEC Use Only	
4)	Citizenship of Place of Organization	Delaware
	Number of Shares Beneficially Owned by Each Reporting Person With	(5) Sole Voting Power 1008147 (6) Shared Voting Power 0 (7) Sole Dispositive Power 1008147 (8) Shared Dispositive Power 0
9)	Aggregate Amount Beneficially Owned by Each Reporting Person	1008147
10)	Check if the aggregate Amount in Row (9) Exclude Certain Shares (See Instructions)	
11)	Percent of Class Represented By Amount in Row 9.	4.77%

12) Type of Reporting
 Person (See Instructions) IA

Item 1(a) Name of Issuer.

MINERALS TECHNOLOGIES, INC.

Item 1(b) Address of Issuer's Principal Executive Offices:

Mr.Neil M. BardachChief Financial Officer
MINERALS TECHNOLOGIES, INC.
405 Lexington Avenue, 19th Flr.
New York, NY 101741901

Item 2(a) Name of Person Filing:

Pioneer Investment Management, Inc.

Item 2(b) Address of Principal Business Office:

60 State Street, Boston, MA 02109

Item 2(c) Citizenship:

State of Delaware
Pioneer Investment Management

Item 2(d) Title of Class of Securities:.

Common Stock

Item 2(e) CUSIP Number:.

603158106

Item 3 The person filing this statement pursuant to Rule 13d-1(b)
 or 13d-2(b) is:

(d) Investment Adviser registered under Section
 203 of the Investment Advisers Act of 1940.

Item 4. Ownership.

(a) Amount Beneficially Owned: 1008147

(b) Percent of Class: 4.77%

(c) Number of shares as to which such person has

(i) sole power to vote or to direct the vote

(ii) shared power to vote or to direct vote 0

(iii) sole power to dispose or to direct disposition of 1008147

(iv) shared power to dispose or to direct disposition 0

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date Hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check here: X

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Inapplicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported On By the Parent Holding Company.

Inapplicable..

Item 8. Identification and Classification of Members of the Group.

Inapplicable.

Item 9. Notice of Dissolution of the Group.

Inapplicable.

Item 10. Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transactions having such purposes or effect.

After reasonable inquiry and to the best of my knowledge and believe, I certify that the information set forth in this statement is true, complete and correct.

March 19, 2001
Date

/s/Dorothy B. Bourassa
Secretary
Signature