

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

Amendment #1

Name of

Issuer: MINERALS TECH INC

Title of Class

of Securities: Common Stock

CUSIP Number: 603158106

1) NAME OF I.R.S. IDENTIFICATION NO. OF REPORTING PERSON

The Prudential Insurance Company of America 22-1211670

2.) MEMBER OF A GROUP: (a) N/A

(b) N/A

3) SEC USE ONLY:

4) PLACE OF ORGANIZATION: A mutual insurance company organized
under the laws of the State of New Jersey

NUMBER OF SHARES BENEFICIALLY OWNED BY REPORTING PERSON WITH:

5) Sole Voting Power: 269,900 See Exhibit A

6) Shared Voting Power: 467,330 See Exhibit A

7) Sole Dispositive Power: 269,900 See Exhibit A

8) Shared Dispositive Power: 585,330 See Exhibit A

9) AGGREGATE AMOUNT BENEFICIALLY OWNED:

855,230 See Exhibit A

10) AGGREGATE AMOUNT IN ROW (9) EXCLUDES SHARES: Not Applicable

11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9):

3.78 See Exhibit A

12) TYPE OF REPORTING PERSON: IC, IA

ITEM 1(a). NAME OF ISSUER:

MINERALS TECH INC

ITEM 1(b). ADDRESS OF ISSUER'S EXECUTIVE OFFICES:

MINERALS TECH INC
405 Lexington Avenue
19th Floor
New York, NY 10174

ITEM 2(a). NAME OF PERSON FILING:

The Prudential Insurance Company of America

ITEM 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE:

751 Broad Street
Newark, New Jersey 07102-3777

ITEM 2(c). CITIZENSHIP:

A mutual insurance company organized under the
laws of
the State of New Jersey

ITEM 2(d). TITLE OF CLASS OF SECURITIES:

Common Stock

ITEM 2(e). CUSIP NUMBER:

603158106

ITEM 3. The Person filing this statement is an Insurance
Company

as defined in Section 3(a) (19) of the Securities
Exchange

Act of 1934, and an Investment Adviser registered
under

Section 203 of the Investment Advisers Act of 1940.

ITEM 4. OWNERSHIP:

(a) Number of Shares

Beneficially Owned: 855,230 See Exhibit A

(b) Percent of Class: 3.78

Number

(c) Powers Of Shares

Sole power to vote or 269,900 See Exhibit A
to direct the vote

Shared power to vote or 467,330 See Exhibit A
to direct the vote

Sole power to dispose or 269,900 See Exhibit A
to direct disposition

Shared power to dispose 585,330 See Exhibit A
or to direct disposition

ITEM 5. OWNERSHIP OF 5% OR LESS OF A CLASS:

Prudential has ceased to be the owner of more than 5% of the
outstanding Common Stock of this issuer.

ITEM 6. OWNERSHIP OF MORE THAN 5% ON BEHALF OF
ANOTHER PERSON:

Not Applicable

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE
SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING
REPORTED ON BY THE ULTIMATE PARENT COMPANY:

Not Applicable

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF
MEMBERS OF THE GROUP:

Not Applicable

ITEM 9. NOTICE OF DISSOLUTION OF GROUP:

Not Applicable

ITEM 10. CERTIFICATION:

By signing below, the Prudential Insurance Company of America certifies that, to the best of its 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 transaction having such purpose or effect.

The filing of this statement should not be construed as an admission that Prudential is, for purposes of Sections 13 or 16 of the Securities Exchange Act of 1934, the beneficial owner of such shares.

SIGNATURE

After reasonable inquiry and to the best of its knowledge and belief, The Prudential Insurance Company of America certifies that the information set forth in this statement is true, complete and correct.

THE PRUDENTIAL INSURANCE COMPANY OF AMERICA

By: Richard S. Biegen
Director, Securities Law Compliance

Date: 01/28/97
As of: 12/31/96

Exhibit A

ITEM 6. OWNERSHIP:

The Prudential Insurance Company of America ('Prudential') may have direct or indirect voting and/or investment discretion over 855,230 shares of the Issuer's common stock which are held for the benefit of its clients by its separate accounts, externally managed accounts, registered investment companies, subsidiaries and/or other affiliates. Prudential is reporting the combined holdings of these entities for the purpose of administrative convenience.

These shares were acquired in the ordinary course of business, and not with the purpose or effect of changing or influencing control of the Issuer. The filing of this statement should not be construed as an admission that Prudential is, for the purposes of Section 13 or 16 of the Securities Exchange Act of 1934, the beneficial owner of these shares.