

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934  
(Amendment No. ) <F1>  
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Minerals Technologies Inc.  
-----

(Name of Issuer)

Common Stock  
-----

(Title of Class of Securities)

60315106  
-----

(CUSIP Number)

December 31, 2000  
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(Date of Event Which Requires Filing of this Statement)

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

☒ Rule 13d-1(b)

☐ Rule 13d-1(c)

☐ Rule 13d-1(d)

<F1> The remainder of this cover page shall be filled out for a reporting  
person's initial filing on this form with respect to the subject class of  
securities, and for any subsequent amendment containing information which  
would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be  
deemed to be "filed" for the purpose of Section 18 of the Securities Exchange  
Act of 1934 ("Act") or otherwise subject to the liabilities of that section of  
the Act but shall be subject to all other provisions of the Act (however, see  
the Notes).

-----  
CUSIP No. 60315106  
-----

13G

-----  
1 NAME OF REPORTING PERSON  
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Artisan Partners Limited Partnership 39-1807188  
-----

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(see Instructions) (a) ☐  
Not Applicable (b) ☐  
-----

3 SEC USE ONLY  
-----

4 CITIZENSHIP OR PLACE OF ORGANIZATION  
Delaware  
-----

5 SOLE VOTING POWER  
None  
-----

NUMBER OF  
SHARES

6 SHARED VOTING POWER  
-----

BENEFICIALLY 1,315,832  
OWNED BY -----  
EACH 7 SOLE DISPOSITIVE POWER  
REPORTING None  
PERSON -----  
WITH 8 SHARED DISPOSITIVE POWER  
1,315,832  
-----  
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
1,315,832  
-----  
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN  
SHARES  
(see Instructions)  
Not Applicable  
-----  
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  
6.49%  
-----  
12 TYPE OF REPORTING PERSON  
(see Instructions)  
IA  
-----

-----  
CUSIP No. 60315106 13G  
-----

-----  
1 NAME OF REPORTING PERSON  
S.S. or I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Artisan Investment Corporation  
-----  
2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(see Instructions) (a) [ ]  
Not Applicable (b) [ ]  
-----  
3 SEC USE ONLY  
-----  
4 CITIZENSHIP OR PLACE OF ORGANIZATION  
Wisconsin  
-----  
5 SOLE VOTING POWER  
None  
NUMBER OF  
SHARES -----  
BENEFICIALLY 6 SHARED VOTING POWER  
OWNED BY 1,315,832  
EACH -----  
REPORTING 7 SOLE DISPOSITIVE POWER  
PERSON None  
WITH -----  
8 SHARED DISPOSITIVE POWER  
1,315,832  
-----  
9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
1,315,832  
-----  
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN  
SHARES  
(see Instructions)  
Not Applicable  
-----  
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  
6.49%  
-----  
12 TYPE OF REPORTING PERSON  
(see Instructions)  
CO  
-----  
-----

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1 NAME OF REPORTING PERSON  
S.S. or I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Andrew A. Ziegler

-----

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(see instructions) (a) [ ]  
Not Applicable (b) [ ]

-----

3 SEC USE ONLY

-----

4 CITIZENSHIP OR PLACE OF ORGANIZATION  
U.S.A.

-----

	5	SOLE VOTING POWER
		None
NUMBER OF	-----	-----
SHARES	6	SHARED VOTING POWER
BENEFICIALLY		1,315,832
OWNED BY	-----	-----
EACH	7	SOLE DISPOSITIVE POWER
REPORTING		None
PERSON	-----	-----
WITH	8	SHARED DISPOSITIVE POWER
		1,315,832

-----

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
1,315,832

-----

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN  
SHARES  
(see Instructions)  
Not Applicable

-----

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  
6.49%

-----

12 TYPE OF REPORTING PERSON  
(see instructions)  
IN

-----

-----

1 NAME OF REPORTING PERSON  
S.S. or I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Carlene Murphy Ziegler

-----

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
(see Instructions) (a) [ ]  
Not Applicable (b) [ ]

-----

3 SEC USE ONLY

-----

4 CITIZENSHIP OR PLACE OF ORGANIZATION  
U.S.A.

-----

	5	SOLE VOTING POWER
		None
NUMBER OF	-----	-----
SHARES	6	SHARED VOTING POWER
BENEFICIALLY		1,315,832
OWNED BY	-----	-----
EACH	7	SOLE DISPOSITIVE POWER
REPORTING		None
PERSON	-----	-----

WITH 8 SHARED DISPOSITIVE POWER  
1,315,832

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
1,315,832

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN  
SHARES  
(see Instructions)  
Not Applicable

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  
6.49%

12 TYPE OF REPORTING PERSON  
(see Instructions)  
IN

Item 1(a) Name of Issuer:  
  
Minerals Technologies Inc.

Item 1(b) Address of Issuer's Principal Executive Offices:  
  
405 Lexington Avenue  
New York, NY 10174-1901

Item 2(a) Name of Person Filing:  
  
Artisan Partners Limited Partnership ("Artisan Partners")  
Artisan Investment Corporation, the general partner of  
Artisan Partners ("Artisan Corp.")  
Andrew A. Ziegler  
Carlene Murphy Ziegler

Item 2(b) Address of Principal Business Office:  
  
Artisan Partners, Artisan Corp., Mr. Ziegler and Ms. Ziegler  
are all located at:  
  
1000 North Water Street, #1770  
Milwaukee, WI 53202

Item 2(c) Citizenship:  
  
Artisan Partners is a Delaware limited partnership  
Artisan Corp. is a Wisconsin corporation  
Mr. Ziegler and Ms. Ziegler are U.S. citizens

Item 2(d) Title of Class of Securities:  
  
Common Stock

Item 2(e) CUSIP Number:  
  
60315106

Item 3 Type of Person:  
  
(e) Artisan Partners is an investment adviser registered  
under section 203 of the Investment Advisers Act of 1940;  
Artisan Corp. is the General Partner of Artisan Partners;  
Mr. Ziegler and Ms. Ziegler are the principal stockholders  
of Artisan Corp.

Item 4                    Ownership (at December 31, 2000):

          (a)    Amount owned "beneficially" within the meaning of  
                    rule 13d-3:

                    1,315,832

          (b)    Percent of class:

                    6.49% (based on 20,272,646 shares outstanding  
                            as of October 20, 2000)

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

                    (i)    sole power to vote or to direct the  
                            vote: none

                    (ii)   shared power to vote or to direct the  
                            vote: 1,315,832

                    (iii) sole power to dispose or to direct the  
                            disposition of: none

                    (iv) shared power to dispose or to direct  
                            disposition of: 1,315,832

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

                    Not Applicable

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

                    The shares reported herein have been acquired on behalf of  
                            discretionary clients of Artisan Partners. Persons other  
                            than Artisan Partners are entitled to receive all dividends  
                            from, and proceeds from the sale of, those shares. None of  
                            those persons, to the knowledge of Artisan Partners,  
                            Mr. Ziegler or Ms. Ziegler, has an economic interest in more  
                            than 5% of the class.

Item 7                    Identification and Classification of the Subsidiary Which  
                            Acquired the Security Being Reported on by the Parent Holding  
                            Company or Control Person:

                    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 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 and are not  
                            held for the purpose of or with the the effect of changing  
                            or influencing the control of the issuer of the securities  
                            and were not acquired and are not held in connection with or as  
                            a participant in any transaction having that purpose or effect.

Signature  
-----

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

Date: February 9, 2001

ARTISAN INVESTMENT CORPORATION  
for itself and as general partner of  
ARTISAN PARTNERS LIMITED PARTNERSHIP

By: /s/ Andrew A. Ziegler  
-----  
Andrew A. Ziegler  
President

ANDREW A. ZIEGLER

/s/ Andrew A. Ziegler  
-----

CARLENE MURPHY ZIEGLER

/s/ Carlene Murphy Ziegler  
-----

Exhibit Index  
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Exhibit 1                    Joint Filing Agreement dated as of February 9, 2001 by  
and among Artisan Partners Limited Partnership,  
Artisan Investment Corporation, Andrew A. Ziegler,  
and Carlene Murphy Ziegler

JOINT FILING AGREEMENT

The undersigned hereby agree to the joint filing of the Schedule 13G to which this Agreement is attached.

Dated: February 9, 2001

ARTISAN INVESTMENT CORPORATION  
for itself and as general partner of  
ARTISAN PARTNERS LIMITED PARTNERSHIP

By: /s/ Andrew A. Ziegler  
-----  
Andrew A. Ziegler  
President

ANDREW A. ZIEGLER

/s/ Andrew A. Ziegler  
-----

CARLENE MURPHY ZIEGLER

/s/ Carlene Murphy Ziegler  
-----