

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. 2 )\*

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Minerals Technologies Inc.

-----  
(Name of Issuer)

Common Stock

-----  
(Title of Class of Securities)

603158106

-----  
(CUSIP Number)

November 30, 2001

-----  
(Date of Event Which Requires Filing of this Statement)

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

[ x ] Rule 13d-1(b)  
[ ] Rule 13d-1(c)  
[ ] Rule 13d-1(d)

\*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).

13G

CUSIP No. 603158106

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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)

Not Applicable

(a) [ ]

(b) [ ]

-----  
3 SEC USE ONLY

-----  
4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5 SOLE VOTING POWER

None

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

6 SHARED VOTING POWER

1,970,736

7 SOLE DISPOSITIVE POWER

None

8 SHARED DISPOSITIVE POWER

1,970,736

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,970,736

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)

10.1%

12 TYPE OF REPORTING PERSON  
(see Instructions)

IA

13G

CUSIP No. 603158106

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)

Not Applicable

(a) [ ]

(b) [ ]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Wisconsin

5 SOLE VOTING POWER

None

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

6 SHARED VOTING POWER

1,970,736

7 SOLE DISPOSITIVE POWER

None

8 SHARED DISPOSITIVE POWER

1,970,736

9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
	1,970,736
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)
	10.1%
12	TYPE OF REPORTING PERSON (see Instructions)
	CO

CUSIP No. 603158106 13G  
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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)
	Not Applicable (a) [ ] (b) [ ]
3	SEC USE ONLY
4	CITIZENSHIP OR PLACE OF ORGANIZATION
	U.S.A.
	5 SOLE VOTING POWER
	None
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	6 SHARED VOTING POWER
	1,970,736
	7 SOLE DISPOSITIVE POWER
	None
	8 SHARED DISPOSITIVE POWER
	1,970,736

9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
	1,970,736
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)
	10.1%
12	TYPE OF REPORTING PERSON

(see Instructions)

IN

CUSIP No. 603158106 13G

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)

Not Applicable

(a) [ ]

(b) [ ]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

U.S.A.

5 SOLE VOTING POWER

None

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

6 SHARED VOTING POWER

1,970,736

7 SOLE DISPOSITIVE POWER

None

8 SHARED DISPOSITIVE POWER

1,970,736

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,970,736

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)

10.1%

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:

603158106

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 November 30, 2001):

- (a) Amount owned "beneficially" within  
the meaning of rule 13d-3:  
1,970,736
- (b) Percent of class:  
  
10.1% (based on 19,575,124 shares  
outstanding as of October 26, 2001)
- (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:  
1,970,736
- (iii) sole power to dispose or  
to direct the  
disposition of: None
- (iv) shared power to dispose  
or to direct disposition  
of: 1,970,736

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 and are held in the ordinary  
course of business and were not acquired and are not  
held for the purpose of or with 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  
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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: December 10, 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  
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Exhibit Index  
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Exhibit 1

Joint Filing Agreement dated as of December  
10, 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: December 10, 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

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