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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. 3)*

Minerals Technologies Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

603158106

(CUSIP Number)

December 31, 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

1 NAME OF REPORTING PERSON / I.R.S. IDENTIFICATION NO. OF ABOVE PERSON Artisan Partners Limited Partnership 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see Instructions) Not Applicable (b) []

						-
4	CITIZENSHIP	OR	PLACE	OF	ORGANIZATION	

	Delaware	2	
		5 SOLE VOTING POWER	
]	NUMBER OF	None	
Bl	SHARES ENEFICIALLY	6 SHARED VOTING POWER	
RI	OWNED BY EACH	1,631,336	
	REPORTING PERSON WITH	7 SOLE DISPOSITIVE POWER	
		None	
		8 SHARED DISPOSITIVE POWER	
		1,631,336	
9	AGGREGATE AM	10UNT BENEFICIALLY OWNED BY EACH REPORT	ING PERSON
	1,631,33	36	
10		THE AGGREGATE AMOUNT IN ROW (9) EXCLUD	
	Not Appli		
11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	8.3%		
12	TYPE OF REPOR (see Instruct	RTING PERSON	
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	NAME OF DEDO		
Ţ		RTING PERSON / S. IDENTIFICATION NO. OF ABOVE PERSON	
	Artisan	Investment Corporation	
2		PPROPRIATE BOX IF A MEMBER OF A GROUP	
	(see Instruc		(a) []
	Not Applicab		(b) []
3			
3 	CITIZENSHIP	OR PLACE OF ORGANIZATION	

	NUMBER OF		None	
	SHARES BENEFICIALLY	6	SHARED VOTING POWER	
	OWNED BY EACH		1,631,336	
	REPORTING PERSON	 7	SOLE DISPOSITIVE POWER	
	WITH		None	
		 8	SHARED DISPOSITIVE POWER	
		0		
9			BENEFICIALLY OWNED BY EACH REPORTING P	ERSON
	1,631,336			
10	CHECK BOX IF T (see Instructi		GGREGATE AMOUNT IN ROW (9) EXCLUDES CE	RTAIN SHARES
	Not Applic	able		
11	PERCENT OF CLA	.SS R	EPRESENTED BY AMOUNT IN ROW (9)	
	8.3%			
12	TYPE OF REPORT (see Instructi	ING	PERSON	
	СО			
			13G	
CUSIF	No. 603		06	
1	NAME OF REPOR S.S. or I.R.S	-	PERSON / ENTIFICATION NO. OF ABOVE PERSON	
	Andrew A.	Zie	gler	
2	CHECK THE APP	ROPR	IATE BOX IF A MEMBER OF A GROUP	
	(see Instruct	ions		a) []
	Not Applicabl	е	(b) []
	SEC USE ONLY		· · · · · · · · · · · · · · · · · · ·	
4		K PL	ACE OF ORGANIZATION	
	U.S.A.			
		5	SOLE VOTING POWER	
	NUMBER OF SHARES		None	
		6	SHARED VOTING POWER	
	EACH		1,631,336	
	REPORTING PERSON	 7	SOLE DISPOSITIVE POWER	
	WITH			

4	Carlene CHECK THE AF (see Instruct Not Applicat SEC USE ONLY CITIZENSHIP U.S.A. NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	PROPRI tions) ole OR PLA 5 6 7	ATE BC	DX IF ORGAN VOTIN None D VOT 1,631 DISPO None	IZATIO G POWE ING PO ,336 SITIVE	N R WER POWER]
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	8.3%									
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9				1,631	,336					
9						VE POWE				

1	,631,336
	BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
Nc	ot Applicable
11 PERCEN	IT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
8.	3%
	OF REPORTING PERSON
IN	ı
Item 1(a)	Name of Issuer:
	Minerals Technologies Inc.
Item 1(b)	Address of Issuer's Principal Executive Offices:
	405 Lexington Avenue New York, New York 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:

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, 2001):

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

1,631,336

(b) Percent of class:

8.3% (based on 19,575,124 shares outstanding as of Oct. 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: 1,631,336
 - (iii) sole power to dispose or to direct the disposition of: None
 - (iv) shared power to dispose or to direct disposition of: 1,631,336

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, Artisan Corp., 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

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 13, 2002

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

Exhibit 1

Joint Filing Agreement dated as of February 13, 2002 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 13, 2002

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