W R GRACE & CO Form SC 13G/A February 14, 2005

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 1)

W. R. Grace & Co.
----(Name of Issuer)

Common Stock, \$0.01 par value
----(Title of Class of Securities)

38388F108 -----(CUSIP Number)

December 31, 2004

(Date of Event Which Requires Filing of this Statement)

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

- [] Rule 13d-1(b)
- [X] 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).

CUSIP No. 237266101

13G

^{1.} NAME OF REPORTING PERSONS
I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)

D. E. Shaw Laminar Portfolios, L.L.C.

01-0577802 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) [_] (b) [_] 3. SEC USE ONLY 4. CITIZENSHIP OR PLACE OF ORGANIZATION Delaware 5. SOLE VOTING POWER NUMBER OF SHARES -0-BENEFICIALLY 6. SHARED VOTING POWER OWNED BY 3,066,900 EACH 7. SOLE DISPOSITIVE POWER REPORTING -0-PERSON 8. SHARED DISPOSITIVE POWER WITH 3,066,900 9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,066,900 10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES* [_] 11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 4.7% 12. TYPE OF REPORTING PERSON* 00 *SEE INSTRUCTIONS BEFORE FILLING OUT!

CUSIP No. 237266101 13G	
1. NAME OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
D. E. Shaw & Co., L.P. 13-3695715	
2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*	(a) [_] (b) [_]
3. SEC USE ONLY	
4. CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF 5. SOLE VOTING POWER	
SHARES -0-	
BENEFICIALLY 6. SHARED VOTING POWER	
OWNED BY 3,066,900	
EACH 7. SOLE DISPOSITIVE POWER	
REPORTING -0-	
PERSON 8. SHARED DISPOSITIVE POWER	
WITH 3,066,900	
9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 3,066,900	NC
10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTA	AIN SHARES*
	[_]
11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 4.7%	
12. TYPE OF REPORTING PERSON*	

IA, PN

	*SEE INSTRUCTIONS BEFORE FILLING OUT!
	-3-
CUSIP No. 2372	13G
I.R.S. ID	EPORTING PERSONS ENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) v & Co., L.L.C.
13-379994	
2. CHECK THE	APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) [_] (b) [_]
3. SEC USE O	NLY
4. CITIZENSH Delaware	IP OR PLACE OF ORGANIZATION
NUMBER OF	5. SOLE VOTING POWER
SHARES	-0-
BENEFICIALLY	6. SHARED VOTING POWER
OWNED BY	3,066,900
EACH	7. SOLE DISPOSITIVE POWER
REPORTING	-0-
PERSON	8. SHARED DISPOSITIVE POWER
WITH	3,066,900
9. AGGREGATE	AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
3,066,900	
10. CHECK BOX	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*
	[_]

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

4	7	9

12.	TYPE OF I	REPOR'	FING PERSON*		
	00				
			*SEE INSTRUCTIONS BEFORE FILLING OUT!		
			-4-		
			-		
	005				
CUSI.	P No. 2372	26610.	1 13G		
1.			TING PERSONS FICATION NO. OF ABOVE PERSONS (ENTITIES ON	IT.Y)	
	David E.		Tollion No. of IBOVE LENGOND (ENTITLES ON	,	
	David E.	Sllaw			
2.	CHECK THI	E APPI	ROPRIATE BOX IF A MEMBER OF A GROUP*		
				(a) [_]	
				(b) [_]	
				(b) [_]	
3.	SEC USE (ONLY		(b) [_]	
3.	SEC USE (ONLY		(b) [_]	
3.	SEC USE (YLINC		(b) [_]	
			R PLACE OF ORGANIZATION	(b) [_]	
		HIP OF	R PLACE OF ORGANIZATION	(b) [_]	
4.	CITIZENSI United St	HIP OF		(b) [_]	
4. NUI	CITIZENSI United St	HIP OF	SOLE VOTING POWER	(b) [_]	
NUI	CITIZENSI United St MBER OF HARES	HIP OF	SOLE VOTING POWER	(b) [_]	
A. NUI S. BENE	CITIZENSI United St MBER OF HARES FICIALLY	HIP OF	SOLE VOTING POWER -0- SHARED VOTING POWER	(b) [_]	
4. NUI S. BENE	CITIZENSI United St MBER OF HARES	HIP OF	SOLE VOTING POWER	(b) [_]	
NUI S: BENE:	CITIZENSI United St MBER OF HARES FICIALLY	HIP OF tates 5. 6.	SOLE VOTING POWER -0- SHARED VOTING POWER	(b) [_]	
NUI SS OWN	CITIZENSI United St MBER OF HARES FICIALLY NED BY	HIP OF tates 5. 6.	SOLE VOTING POWER -0- SHARED VOTING POWER 3,066,900	(b) [_]	
NUI S: BENE: OW!	CITIZENSI United St MBER OF HARES FICIALLY NED BY EACH PORTING	HIP OF tates 5. 6.	SOLE VOTING POWER -0- SHARED VOTING POWER 3,066,900 SOLE DISPOSITIVE POWER	(b) [_]	
NUI S. S. OW.	CITIZENSI United St MBER OF HARES FICIALLY NED BY EACH PORTING	HIP OF tates 5. 6.	SOLE VOTING POWER -0- SHARED VOTING POWER 3,066,900 SOLE DISPOSITIVE POWER -0-	(b) [_]	
NUI S. BENE. OW! RE:	CITIZENSI United St MBER OF HARES FICIALLY NED BY EACH PORTING ERSON WITH	#IP OF tates 5. 6. 7.	SOLE VOTING POWER -0- SHARED VOTING POWER 3,066,900 SOLE DISPOSITIVE POWER -0- SHARED DISPOSITIVE POWER		

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

[_]

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
4.7%

12. TYPE OF REPORTING PERSON*
IN

*SEE INSTRUCTIONS BEFORE FILLING OUT!

-5-

ITEM 1.

(A) NAME OF ISSUER

W. R. Grace & Co.

(B) ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES 7500 Grace Drive Columbia, MD 21044-4098

ITEM 2.

(A) NAME OF PERSON FILING

D. E. Shaw Laminar Portfolios, L.L.C.

D. E. Shaw & Co., L.P.

D. E. Shaw & Co., L.L.C.

David E. Shaw

(B) ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE The business address for all filers is: 120 W. 45th Street, Tower 45, 39th Floor

New York, NY 10036

(C) CITIZENSHIP

- D. E. Shaw Laminar Portfolios, L.L.C. is a limited liability company organized under the laws of the state of Delaware.
- D. E. Shaw & Co., L.P. is a limited partnership organized under the laws of the state of Delaware.
- D. E. Shaw & Co., L.L.C. is a limited liability company organized under the laws of the state of Delaware.

David E. Shaw is a citizen of the United States of America.

- (D) TITLE OF CLASS OF SECURITIES Common Stock, \$0.01 par value
- (E) CUSIP NUMBER 38388F108

ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO RULE 13D-1(B) OR 13D-2(B) OR (C), CHECK WHETHER THE PERSON FILING IS A:

Not Applicable

ITEM 4. OWNERSHIP.

(a) Amount beneficially owned:

```
D. E. Shaw Laminar Portfolios, L.L.C.: 3,066,900 Shares
D. E. Shaw & Co., L.P.: 3,066,900 Shares
D. E. Shaw & Co., L.L.C.: 3,066,900 Shares
David E. Shaw: 3,066,900 Shares
```

(b) Percent of class:

```
D. E. Shaw Laminar Portfolios, L.L.C.: 4.7%
D. E. Shaw & Co., L.P.: 4.7%
D. E. Shaw & Co., L.L.C.: 4.7%
David E. Shaw: 4.7%
```

- (c) Number of shares to which the person has:
 - (i) Sole power to vote or to direct the vote:

```
D. E. Shaw Laminar Portfolios, L.L.C.: -0-
D. E. Shaw & Co., L.P.: -0-
D. E. Shaw & Co., L.L.C.: -0-
David E. Shaw: -0-
```

-6-

(ii) Shared power to vote or to direct the vote:

```
D. E. Shaw Laminar Portfolios, L.L.C.: 3,066,900 Shares
D. E. Shaw & Co., L.P.: 3,066,900 Shares
D. E. Shaw & Co., L.L.C.: 3,066,900 Shares
David E. Shaw: 3,066,900 Shares
```

(i) Sole power to dispose or to direct the disposition of:

```
D. E. Shaw Laminar Portfolios, L.L.C.: -0-
D. E. Shaw & Co., L.P.: -0-
D. E. Shaw & Co., L.L.C.: -0-
David E. Shaw: -0-
```

(ii) Shared power to dispose or to direct the disposition of:

```
D. E. Shaw Laminar Portfolios, L.L.C.: 3,066,900 Shares
D. E. Shaw & Co., L.P.: 3,066,900 Shares
D. E. Shaw & Co., L.L.C.: 3,066,900 Shares
David E. Shaw: 3,066,900 Shares
```

David Shaw does not own any shares directly. By virtue of David Shaw's position as President and sole shareholder of D. E. Shaw & Co., Inc., which is the general partner of D. E. Shaw & Co., L.P., which in turn is the investment adviser of D. E. Shaw Laminar Portfolios, L.L.C., and by virtue of David Shaw's position as President and sole shareholder of D. E. Shaw & Co. II, Inc., which is the managing member of D. E. Shaw & Co., L.L.C., which in turn is the managing member of D. E. Shaw Laminar Portfolios, L.L.C., David Shaw may be deemed to have the shared power to vote or direct the vote of, and the shared power to dispose or direct the disposition of, the 3,066,900 shares owned by D. E. Shaw Laminar Portfolios, L.L.C., constituting 4.7% of the outstanding shares and, therefore, David Shaw may be deemed to be the beneficial owner of such

shares. David Shaw disclaims beneficial ownership of such 3,066,900 shares.

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. Not Applicable

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, each of D. E. Shaw Laminar Portfolios, L.L.C., D. E. Shaw & Co., L.P., D. E. Shaw & Co., L.L.C., and David Shaw certify that, to the best of such reporting person's knowledge and belief, the securities referred to above 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 such purposes or effect.

-7-

SIGNATURE

After reasonable inquiry and to the best of their knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete, and correct. Powers of Attorney, dated February 24, 2004 granted by David E. Shaw in favor of Stuart Steckler, are attached hereto.

Dated: February 14, 2005

D. E. Shaw Laminar Portfolios, L.L.C.

By: D. E. Shaw & Co., L.L.C., as managing member

By: /s/ Stuart Steckler

Stuart Steckler Managing Director

D. E. Shaw & Co., L.P.

By: /s/ Stuart Steckler

Stuart Steckler

Managing Director

D. E. Shaw & Co., L.L.C.

By: /s/ Stuart Steckler

Stuart Steckler

Stuart Steckler Managing Director

David E. Shaw

By: /s/ Stuart Steckler

Stuart Steckler Attorney-in-Fact for David E. Shaw

-8-

EXHIBIT 1

POWER OF ATTORNEY
FOR CERTAIN FILINGS
UNDER THE SECURITIES EXCHANGE ACT OF 1934

I, David E. Shaw, hereby make, constitute and appoint each of:

Anne Dinning,

Julius Gaudio,

Lou Salkind,

Stuart Steckler, and

Eric Wepsic,

acting individually, as my agent and attorney-in-fact, with full power of substitution, for the purpose of, from time to time, executing in my name and/or my capacity as President of D. E. Shaw & Co., Inc. (acting for itself or as the general partner of D. E. Shaw & Co., L. P. and general partner or managing member of other entities, any which in turn may be acting for itself or other entities) all documents, certificates, instruments, statement, other filings, and amendments to the forgoing (collectively, "documents") determined by such person to be necessary or appropriate to comply with ownership or control-person reporting requirements imposed by any United States or non-United States governmental or regulatory authority, including without limitation Forms 3, 4, 5, 13D, 13F, and 13G required to be filed with the Securities and Exchange Commission; and delivering, furnishing or filing any such documents with the appropriate governmental or regulatory authority. Any such determination shall

be conclusively evidenced by such person's execution, delivery, furnishing, and/or filing of the applicable document.

This power of attorney shall be valid from the date hereof and replaces the power granted on February 5, 2001, which is hereby cancelled.

IN WITNESS HEREOF, I have executed this instrument as of the date set forth below.

Date: February 24, 2004

DAVID E. SHAW, as President of D. E. Shaw & Co., Inc. /s/David E. Shaw
New York, New York

POWER OF ATTORNEY FOR CERTAIN FILINGS UNDER THE SECURITIES EXCHANGE ACT OF 1934

I, David E. Shaw, hereby make, constitute and appoint each of:

Anne Dinning,

Julius Gaudio,

Lou Salkind,

Stuart Steckler, and

Eric Wepsic,

acting individually, as my agent and attorney-in-fact, with full power of substitution, for the purpose of, from time to time, executing in my name and/or my capacity as President of D. E. Shaw & Co. II, Inc. (acting for itself and as the managing member of D. E. Shaw & Co., L.L.C., which in turn may be acting for itself or as the managing member of other companies) all documents, certificates, instruments, statement, other filings and amendments to the forgoing (collectively, "documents") determined by such person to be necessary or appropriate to comply with ownership or control-person reporting requirements imposed by any United States or non-United States governmental or regulatory authority, including without limitation Forms 3, 4, 5, 13D, 13F and 13G required to be filed with the Securities and Exchange Commission; and delivering, furnishing or filing any such documents with the appropriate governmental or regulatory authority. Any such determination shall be conclusively evidenced by such person's execution and delivery, furnishing or filing of the applicable document.

This power of attorney shall be valid from the date hereof and replaces the power granted on February 5, 2001, which is hereby cancelled.

IN WITNESS HEREOF, I have executed this instrument as of the date set forth below

Date: February 24, 2004

DAVID E. SHAW, as President of D. E. Shaw & Co. II, Inc.

/s/David E. Shaw New York, New York