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W R GRACE & CO
Form SC 13G/A
February 02, 2007

UNITED STATES
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, 2006

(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)

* 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).

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently

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valid OMB control number.

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CUSIP No. 38388F108

1. Names of Reporting Persons. Plainfield Special Situations
Master Fund Limited
I.R.S. Identification Nos. of above persons (entities only).

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3. SEC Use Only

4. Citizenship or Place of Organization Cayman Islands

Number of Shares Bene- ficially owned by Each Reporting Person With:	5. Sole Voting Power	100
	6. Shared Voting Power	0
	7. Sole Dispositive Power	100
	8. Shared Dispositive Power	0

9. Aggregate Amount Beneficially Owned by Each Reporting Person 100

10. Check if the Aggregate Amount in Row (11) Excludes Certain Shares
(See Instructions)

11. Percent of Class Represented by Amount in Row (9) 0.0000015%

12. Type of Reporting Person (See Instructions) CO

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CUSIP No. 38388F108

1. Names of Reporting Persons. Plainfield Asset Management LLC
I.R.S. Identification Nos. of above persons (entities only).

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3. SEC Use Only

4. Citizenship or Place of Organization Delaware

Number of Shares Bene- ficially owned by Each Reporting Person With:	5. Sole Voting Power	100
	6. Shared Voting Power	0
	7. Sole Dispositive Power	100
	8. Shared Dispositive Power	0

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 9. Aggregate Amount Beneficially Owned by Each Reporting Person 100

 10. Check if the Aggregate Amount in Row (11) Excludes Certain Shares
 (See Instructions) []

 11. Percent of Class Represented by Amount in Row (9) 0.0000015%

 12. Type of Reporting Person (See Instructions) OO

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CUSIP No. 38388F108

 1. Names of Reporting Persons. Max Holmes
 I.R.S. Identification Nos. of above persons (entities only).

 2. Check the Appropriate Box if a Member of a Group (See Instructions)
 (a) []
 (b) [X]

 3. SEC Use Only

 4. Citizenship or Place of Organization United States

 Number of 5. Sole Voting Power 100
 Shares Bene-
 ficially owned 6. Shared Voting Power 0
 by Each
 Reporting 7. Sole Dispositive Power 100
 Person With: 8. Shared Dispositive Power 0

 9. Aggregate Amount Beneficially Owned by Each Reporting Person 100

 10. Check if the Aggregate Amount in Row (11) Excludes Certain Shares
 (See Instructions) []

 11. Percent of Class Represented by Amount in Row (9) 0.0000015%

 12. Type of Reporting Person (See Instructions) IN

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This amendment No. 1 amends the Statement on Schedule 13G filed with the Securities and Exchange Commission on February 14, 2006 by Special Situations Master Fund Limited, a Cayman Islands corporation ("Master Fund"), Plainfield Asset Management LLC, a Delaware limited liability company ("Asset Management") and Max Holmes, an individual (the "Schedule 13G"). This amendment to the Schedule 13G relates to the common stock ("Common Stock"), par value \$.01 per share, of W.R. Grace & Co., a Delaware corporation ("Issuer"). The following amendments to the Schedule 13G are hereby made. Unless otherwise defined herein, all capitalized terms shall have the meanings ascribed to them in the Schedule 13G.

Item 4. Ownership.
 See Items 5-9 and 11 on the cover page for each filer. The ownership listed on

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the cover page includes ownership as of February 1, 2007 of 100 shares of Common Stock. The percentage ownership listed on the cover page has been calculated in accordance with ss. 240.13d-3(d) (1) and is based upon 68,260,965 shares of the Issuer's Common Stock outstanding on October 31, 2006, as reported in the Issuer's Quarterly Report on Form 10-Q for the quarter ended September 30, 2006.

The Common Stock was purchased by Master Fund. Master Fund is a private investment vehicle formed for the purpose of investing and trading in a wide variety of securities and financial instruments. Asset Management is the Manager of Master Fund. Max Holmes is the chief investment officer of Asset Management.

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

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following [X].

Instruction: Dissolution of a group requires a response to this item.

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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.

Dated: February 2, 2007

PLAINFIELD SPECIAL SITUATIONS MASTER FUND
LIMITED

By: Plainfield Asset Management LLC

By: /s/ THOMAS X. FRITSCH

Thomas X. Fritsch
Authorized Individual

PLAINFIELD ASSET MANAGEMENT LLC

By: /s/ THOMAS X. FRITSCH

Thomas X. Fritsch
Managing Director and General Counsel

MAX HOLMES

By: /s/ THOMAS X. FRITSCH

Thomas X. Fritsch
Attorney-in-Fact*

* Duly authorized pursuant to Power of Attorney, dated February 1, 2007, by and on behalf of Max Holmes, appointing Thomas X. Fritsch as his attorney-in-fact, which Power of Attorney was filed on February 2, 2007 as Exhibit A to Amendment No. 1 to Statement on Schedule 13G by Plainfield Special Situations Master Fund

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Limited, Plainfield Asset Management LLC and Max Holmes, with respect to Riviera Holdings Corporation, SEC File No. 005-50785 and incorporated by reference herein.

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See ss.240.13d-7 for other parties for whom copies are to be sent.

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)

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