

Shelnitz Mark A
Form 4
September 18, 2012

FORM 4

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

Check this box
if no longer
subject to
Section 16.
Form 4 or
Form 5
obligations
may continue.
See Instruction
1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF
SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
30(h) of the Investment Company Act of 1940

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
Shelnitz Mark A

(Last) (First) (Middle)

C/O W. R. GRACE & CO., 7500
GRACE DRIVE

(Street)

COLUMBIA, MD 21044

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading
Symbol
W R GRACE & CO [GRA]

3. Date of Earliest Transaction
(Month/Day/Year)
09/14/2012

4. If Amendment, Date Original
Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director ____ 10% Owner
__X__ Officer (give title ____ Other (specify
below) below)

VP, GC and Secretary

6. Individual or Joint/Group Filing(Check
Applicable Line)
__X__ Form filed by One Reporting Person
____ Form filed by More than One Reporting
Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common, par value \$0.01 per share ⁽¹⁾	09/14/2012		M	3,526	A \$ 19.71	57,026	D
Common Stock, par value \$0.01 per share ⁽¹⁾						9,420.8496	I
							By Trust ⁽²⁾
Common Stock, par value	09/14/2012		S	3,526	D \$ 60.88	53,500	D

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\$0.01 per
share (1)

Common
Stock, par
value \$.01
per share
(1)

9,420.8496 I

By Trust
(2)

Common
Stock, par
value
\$0.01 per
share (1)

09/14/2012

M 28,184 A \$ 19.71 81,684 D

Common
Stock, par
value
\$0.01 per
share (1)

9,420.8496 I

By Trust
(2)

Common
Stock, par
value
\$0.01 per
share (1)

09/14/2012

S 28,184 D \$ 60.6659 53,500 D

Common
Stock, par
value
\$0.01 per
share (1)

9,420.8496 I

By Trust
(2)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

**Persons who respond to the collection of
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(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Employee

Stock

Options
(rights to
buy)

\$ 19.71

09/14/2012

M

3,526

03/01/2010 09/11/2013

Common
Stock (1)

3,526

Employee

Stock

Options
(rights to
buy)

\$ 19.71

09/14/2012

M

28,184

03/01/2010 09/11/2013

Common
Stock (1)

28,184

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Shelnitz Mark A C/O W. R. GRACE & CO. 7500 GRACE DRIVE COLUMBIA, MD 21044			VP, GC and Secretary	

Signatures

Michael W. Conron,
Attorney-in-Fact

09/18/2012

__Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

- (1) Each share of Common Stock also represents one Preferred Stock Purchase Right. Each such Right entitles the holder to purchase Preferred Stock or other securities or property upon the occurrence of certain events and subject to certain conditions.
- (2) Such shares are held in a trust established by the issuer for the benefit of certain officers and directors.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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