W R GRACE & CO

Form 4

February 29, 2016

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287

OMB APPROVAL

Number:

January 31, Expires: 2005

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response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Middle)

1(b).

(Last)

GRACE DRIVE

(Print or Type Responses)

1. Name and Address of Reporting Person * Cole Keith N

(First)

(Street)

(Ctota)

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

2. Issuer Name and Ticker or Trading Symbol

W R GRACE & CO [GRA]

3. Date of Earliest Transaction

(Month/Day/Year) 02/25/2016

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

VP, Govt. Relations and EHS

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

COLUMBIA, MD 21044

(City)	(State) (Zip) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed of	f, or Beneficiall	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)		5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
Common			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
Stock, par value \$.01 per share (1)	02/25/2016		A	1,342	A	\$ 0	4,342	D	
Common Stock, par value \$.01 per share (1)	02/25/2016		F	527	D	\$ 68.59	3,815	D	

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

Persons who respond to the collection of **SEC 1474** information contained in this form are not (9-02)

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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 proof 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)	\$ 68.47	02/25/2016		A	9,365	(2)	02/25/2021	Common Stock (1)	9,365
Restricted Stock Units	(3)	02/25/2016		A	1,643	<u>(4)</u>	<u>(4)</u>	Common Stock (1)	1,643

Reporting Owners

Reporting Owner Name / Address	Relationships						
2	Director	10% Owner	Officer	Other			
Cole Keith N C/O W. R. GRACE & CO. 7500 GRACE DRIVE COLUMBIA, MD 21044			VP, Govt. Relations and EHS				

Signatures

/s/ Sean E. Dempsey, Attorney-in-Fact 02/29/2016

**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.

Reporting Owners 2

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- (2) Options become exercisable in three substantially equal annual installments beginning on February 24, 2017.
- (3) Each Restricted Stock Unit represents a contingent right to receive one share of Common Stock or at the Issuer's election, the cash value thereof.
- (4) Restricted Stock Units vest in three substantially equal annual installments beginning on February 24, 2017 and will be settled within 60 days of those vesting dates.

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