

Fullerton Richard B.  
Form 4  
April 22, 2010

**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

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(Print or Type Responses)

1. Name and Address of Reporting Person \*  
RBF Capital, LLC

2. Issuer Name **and** Ticker or Trading  
Symbol  
MATERIAL SCIENCES CORP  
[MASC]

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

(Last) (First) (Middle)  
100 DRAKES LANDING  
ROAD, SUITE 300

3. Date of Earliest Transaction  
(Month/Day/Year)  
04/21/2010

\_\_\_\_ Director \_\_\_\_ 10% Owner  
\_\_\_\_ Officer (give title \_\_\_\_X\_\_\_\_ Other (specify  
below) below)  
See footnotes

(Street)  
GREENBRAE, CA 94904

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

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

(City) (State) (Zip)

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

| 1. Title of<br>Security<br>(Instr. 3) | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3.<br>Transaction<br>Code<br>(Instr. 8) | 4. Securities Acquired<br>or Disposed of (D)<br>(Instr. 3, 4 and 5) | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 3 and 4) | 6.<br>Ownership<br>Form: Direct<br>(D) or<br>Indirect (I)<br>(Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|---------------------------------------|-----------------------------------------|-------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------|
|                                       |                                         |                                                             | Code                                    | V                                                                   | Amount                                                                                                             | (A)<br>or<br>(D)                                                        | Price                                                             |
| Common<br>Stock                       | 04/21/2010                              |                                                             | P                                       |                                                                     | 430,187                                                                                                            | A                                                                       | \$<br>2.8                                                         |
|                                       |                                         |                                                             |                                         |                                                                     | 2,236,486                                                                                                          | I                                                                       |                                                                   |

See  
footnotes  
(1) (2) (3)

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

**Persons who respond to the collection of  
information contained in this form are not  
required to respond unless the form  
displays a currently valid OMB control  
number.**

SEC 1474  
(9-02)

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

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| 1. Title of<br>Derivative<br>Security<br>(Instr. 3) | 2. Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 4. Transaction<br>Code<br>(Instr. 8) | 5. Number<br>of<br>Derivative<br>Securities<br>Acquired<br>(A) or<br>Disposed<br>of (D)<br>(Instr. 3,<br>4, and 5) | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |     | 7. Title and<br>Amount of<br>Underlying<br>Securities<br>(Instr. 3 and 4) | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number<br>of<br>Derivative<br>Securities<br>Owned<br>Following<br>Reported<br>Transaction<br>(Instr. 6) |
|-----------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----|---------------------------------------------------------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------|
|                                                     |                                                                    |                                         |                                                             | Code                                 | V                                                                                                                  | (A)                                                            | (D) | Date<br>Exercisable                                                       | Expiration<br>Date                                  | Title<br>or<br>Number<br>of<br>Shares                                                                      |

## Reporting Owners

| Reporting Owner Name / Address                                                      | Relationships |           |         |               |
|-------------------------------------------------------------------------------------|---------------|-----------|---------|---------------|
|                                                                                     | Director      | 10% Owner | Officer | Other         |
| RBF Capital, LLC<br>100 DRAKES LANDING ROAD<br>SUITE 300<br>GREENBRAE, CA 94904     |               |           |         | See footnotes |
| Fullerton Richard B.<br>100 DRAKES LANDING ROAD<br>SUITE 300<br>GREENBRAE, CA 94904 |               |           |         | See foototes  |

## Signatures

RBF Capital, LLC; By: Richard B. Fullerton, its Managing Member; /s/ Richard B. Fullerton

04/22/2010

          \*\*Signature of Reporting Person

Date \_\_\_\_\_

Richard B. Fullerton: /s/ Richard B. Fullerton

04/22/2010

**\*\*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) The reporting persons are: (i) RBF Capital, LLC ("RBF"); and (ii) Richard B. Fullerton, RBF's managing member.

- (2) The securities reported on this Form 4 are beneficially held by Fullerton Capital Partners, L.P. ("FCP") and other investment limited partnerships for which RBF serves as the general partner and/or investment manager (the "Funds"). Other than FCP, none of the Funds is itself the beneficial owner of more than 10% of the issuer's common stock. As a greater than 10% beneficial owner, FCP is separately reporting its holdings on a Form 3.

- (3) RBF and Mr. Fullerton may be deemed to beneficially own the securities owned by FCP and the Funds insofar as they may be deemed to have the power to direct the voting or disposition of such securities. Each of RBF, Mr. Fullerton, FCP and the Funds disclaims beneficial ownership in these securities, however, except to the extent of their respective pecuniary interests therein.

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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