

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

**SCHEDULE 14A INFORMATION
(Rule 14a-101)**

**Proxy Statement Pursuant to Section 14(a) of the
Securities Exchange Act of 1934
(Amendment No.)**

Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

- Preliminary Proxy Statement
- Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))**
- Definitive Proxy Statement
- Definitive Additional Materials
- Soliciting Material Pursuant to §240.14a-12

Cabot Corporation
(Name of Registrant as Specified In Its Charter)

Payment of Filing Fee (Check the appropriate box):

- No fee required.
- Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.

1) Title of each class of securities to which transaction applies:

2) Aggregate number of securities to which transaction applies:

3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (Set forth the amount on which the filing fee is calculated and state how it was determined):

4) Proposed maximum aggregate value of transaction:

5) Total fee paid:

Fee paid previously with preliminary materials.

Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.

1) Amount Previously Paid:

2) Form, Schedule or Registration Statement No.:

3) Filing Party:

4) Date Filed:

Explanatory Note

Prior to printing its Notice and Proxy Statement for its 2011 Annual Meeting of Stockholders, Cabot Corporation (the "Company") found a typographical error in the table in its Definitive Proxy Statement filed with the SEC on January 28, 2011. On page 36 under the heading "2010 Short-Term Incentive Plan Company Targets and Results," the number of days that would have resulted in a payment at the maximum level on the basis of the Company's net working capital measured in days performance should have read 103 days, and not 107 days. All other numbers and amounts in the table remained unchanged. The table on page 36 of the Notice and Proxy Statement that will be mailed to stockholders and posted on the Company's web site has been amended in its entirety to read as follows:

2010 Short-Term Incentive Plan Company Targets and Results

	<u>Threshold Level</u>	<u>Target Level</u>	<u>Maximum Level</u>	<u>2010 Results</u>	<u>Percent Payout</u>
Adjusted EBITDA	\$250 million	\$300 million	\$350 million	\$442 million	200%
Net Working Capital Measured in Days	114 days	111 days	103 days	94 days	200%