Free Writing Prospectus Filed Pursuant to Rule 433 Registration Statement No. 333-162021 July 9, 2012

Incorporated

Cabot Corporation Pricing Term Sheet

\$250,000,000 2.550% Notes due 2018

| Issuer: | Cabot Corporation |
|-------------------------------------|---|
| Security Type: | Senior Unsecured Notes |
| Pricing Date: | July 9, 2012 |
| Settlement Date: | July 12, 2012 (T+3) |
| Interest Payment Dates: | January 15 and July 15, commencing January 15, 2013 |
| Denominations: | \$2,000 x 1,000 |
| Principal Amount: | US \$250,000,000 |
| Maturity: | January 15, 2018 |
| Benchmark: | UST 0.750% due June 30, 2017 |
| Benchmark Price/Yield: | 100-19+ / 0.625% |
| Re-Offer Spread to Benchmark: | T+195 bps |
| Coupon: | 2.550% |
| Price to Public: | 99.872% |
| Yield to Maturity: | 2.575% |
| Special Mandatory Redemption: | 101% |
| Optional Redemption: | T+30 bps |
| Change of Control Triggering Event: | 101% |
| CUSIP/ISIN: | 127055 AJ0 / US127055AJ04 |
| Joint Book-Running Managers: | J.P. Morgan Securities LLC Citigroup Global Markets Inc. |

Co-Managers:

Mizuho Securities USA Inc.

TD Securities (USA) LLC
HSBC Securities (USA) Inc.

Senior Co-Managers:

RBS Securities Inc.

U.S. Bancorp Investments, Inc.

Morgan Stanley & Co. LLC

Merrill Lynch, Pierce, Fenner & Smith

\$350,000,000 3.700% Notes due 2022

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|---|---|
| ssuer: | Cabot Corporation |
| Security Type: | Senior Unsecured Notes |
| Pricing Date: | July 9, 2012 |
| Settlement Date: | July 12, 2012 (T+3) |
| nterest Payment Dates: | January 15 and July 15, commencing January 15, 2013 |
| Denominations: | \$2,000 x 1,000 |
| Principal Amount: | US \$350,000,000 |
| Maturity: | July 15, 2022 |
| Benchmark: | UST 1.750% due May 15, 2022 |
| Benchmark Price/Yield: | 102-05 / 1.513% |
| Re-Offer Spread to Benchmark: | T+220 bps |
| Coupon: | 3.700% |
| Price to Public: | 99.892% |
| Yield to Maturity: | 3.713% |
| Special Mandatory Redemption: | 101% |
| Optional Redemption: | T+35 bps |
| Change of Control Triggering Event: | 101% |
| CUSIP/ISIN: | 127055 AH4 / US127055AH48 |
| Joint Book-Running Managers: | J.P. Morgan Securities LLC Citigroup Global Markets Inc. |
| Senior Co-Managers: | Morgan Stanley & Co. LLC Merrill Lynch, Pierce, Fenner & Smith Incorporated |

Incorporated Mizuho Securities USA Inc.

TD Securities (USA) LLC
HSBC Securities (USA) Inc.

RBS Securities Inc.

U.S. Bancorp Investments, Inc.

The issuer has filed a registration statement (including a base prospectus) and a prospectus supplement with the U.S. Securities and Exchange Commission (SEC) for the offering to which this communication relates. Before you invest, you should read the prospectus supplement for this offering, the issuer's prospectus in that registration statement and any other documents the

Co-Managers:

issuer has filed with the SEC for more complete information about the issuer and this offering. You may get these documents for free by searching the SEC online data base (EDGAR) on the SEC web site at http://www.sec.gov. Alternatively, the issuer, any underwriter or any dealer participating in the offering will arrange to send you the prospectus supplement and prospectus if you request it by calling J.P. Morgan Securities LLC collect at (212) 834-4533 or Citigroup Global Markets Inc. toll-free at (877) 858-5407.

This pricing term sheet supplements the preliminary form of prospectus supplement issued by Cabot Corporation on July 9, 2012 relating to the prospectus dated September 21, 2009.

Any disclaimer or other notice that may appear below is not applicable to this communication and should be disregarded. Such disclaimer or notice was automatically generated as a result of this communication being sent by Bloomberg or another email system.