

SCHEDULE 13G

Amendment No. 0
FMC Technologies Inc
Common Stock
Cusip #30249U101

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Item 1: Reporting Person - FMR LLC
Item 4: Delaware
Item 5: 10,992
Item 6: 0
Item 7: 13,831,132
Item 8: 0
Item 9: 13,831,132
Item 11: 10.675%
Item 12: HC

Cusip #30249U101
Item 1: Reporting Person - Edward C. Johnson 3d
Item 4: United States of America
Item 5: 0
Item 6: 0
Item 7: 13,831,132
Item 8: 0
Item 9: 13,831,132
Item 11: 10.675%
Item 12: IN

SCHEDULE 13G - TO BE INCLUDED IN
STATEMENTS
FILED PURSUANT TO RULE 13d-1(b) or 13d-2(b)

Item 1(a). Name of Issuer:

FMC Technologies Inc

Item 1(b). Name of Issuer's Principal Executive Offices:

1803 Gears Road
Houston, TX 77067

Item 2(a). Name of Person Filing:

FMR LLC

Item 2(b). Address or Principal Business Office or, if None,
Residence:

82 Devonshire Street, Boston,
Massachusetts 02109

Item 2(c). Citizenship:

Not applicable

Item 2(d). Title of Class of Securities:

Common Stock

Item 2(e). CUSIP Number:

30249U101

Item 3. This statement is filed pursuant to Rule 13d-1(b) or 13d-2(b)

and the person filing, FMR LLC, is a parent holding company in accordance with Section 240.13d-1(b)(ii)(G). (Note: See Item 7).

Item 4. Ownership

(a) Amount Beneficially Owned: 13,831,132

(b) Percent of Class: 10.675%

(c) Number of shares as to which such person has:

(i) sole power to vote or to direct the vote: 10,992

(ii) shared power to vote or to direct the vote: 0

(iii) sole power to dispose or to direct the disposition of: 13,831,132

(iv) shared power to dispose or to direct the disposition of: 0

Item 5. Ownership of Five Percent or Less of a Class.

Not applicable.

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Various persons have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the Common Stock of FMC Technologies Inc. No one person's interest in the Common Stock of FMC Technologies Inc is more than five percent of the total outstanding Common Stock.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company.

See attached Exhibit A.

Item 8. Identification and Classification of Members of the Group.

Not applicable. See attached Exhibit A.

Item 9. Notice of Dissolution of Group.

Not applicable.

Item 10. Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purpose or effect.

Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

October 09, 2007
Date

/s/John McGinty
Signature

John McGinty
Duly authorized under Power of Attorney dated May 18, 2007,
by Eric D. Roiter by and on behalf of FMR LLC and its direct
and indirect subsidiaries

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Pursuant to the instructions in Item 7 of Schedule 13G,
Fidelity Management & Research Company ("Fidelity"), 82
Devonshire Street, Boston, Massachusetts 02109, a wholly-
owned subsidiary of FMR LLC and an investment adviser
registered under Section 203 of the Investment Advisers Act
of 1940, is the beneficial owner of 13,822,340 shares or
10.668% of the Common Stock outstanding of FMC
Technologies Inc ("the Company") as a result of acting as
investment adviser to various investment companies registered
under Section 8 of the Investment Company Act of 1940.

Edward C. Johnson 3d and FMR LLC, through its
control of Fidelity, and the funds each has sole power to
dispose of the 13,822,340 shares owned by the Funds.

Members of the family of Edward C. Johnson 3d,
Chairman of FMR LLC, are the predominant owners, directly
or through trusts, of Series B voting common shares of FMR
LLC, representing 49% of the voting power of FMR LLC.
The Johnson family group and all other Series B shareholders
have entered into a shareholders' voting agreement under
which all Series B voting common shares will be voted in
accordance with the majority vote of Series B voting common
shares. Accordingly, through their ownership of voting
common shares and the execution of the shareholders' voting
agreement, members of the Johnson family may be deemed,
under the Investment Company Act of 1940, to form a
controlling group with respect to FMR LLC.

Neither FMR LLC nor Edward C. Johnson 3d,
Chairman of FMR LLC, has the sole power to vote or direct
the voting of the shares owned directly by the Fidelity Funds,
which power resides with the Funds' Boards of Trustees.
Fidelity carries out the voting of the shares under written
guidelines established by the Funds' Boards of Trustees.

Strategic Advisers, Inc., 82 Devonshire Street, Boston,
MA 02109, a wholly-owned subsidiary of FMR LLC and an
investment adviser registered under Section 203 of the
Investment Advisers Act of 1940, provides investment
advisory services to individuals. As such, FMR LLC's
beneficial ownership includes 2,192 shares, or 0.002%, of the
Common Stock stock outstanding of FMC Technologies Inc,
beneficially owned through Strategic Advisers, Inc.

Pyramis Global Advisors, LLC ("PGALLC"), 53 State
Street, Boston, Massachusetts, 02109, an indirect wholly-
owned subsidiary of FMR LLC and an investment adviser
registered under Section 203 of the Investment Advisers Act
of 1940, is the beneficial owner of 6,600 shares or 0.005% of
the outstanding Common Stock of FMC Technologies Inc as a
result of its serving as investment adviser to institutional
accounts, non-U.S. mutual funds, or investment companies
registered under Section 8 of the Investment Company Act of
1940 owning such shares.

Edward C. Johnson 3d and FMR LLC, through its
control of PGALLC, each has sole dispositive power over
6,600 shares and sole power to vote or to direct the voting of

6,600 shares of Common Stock owned by the institutional accounts or funds advised by PGALLC as reported above.

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RULE 13d-1(f)(1) AGREEMENT

The undersigned persons, on October 09, 2007, agree and consent to the joint filing on their behalf of this Schedule 13G in connection with their beneficial ownership of the Common Stock of FMC Technologies Inc at September 30, 2007.

FMR LLC

By /s/ John McGinty
John McGinty
Duly authorized under Power of Attorney dated May 18, 2007, by Eric D. Roiter by and on behalf of FMR LLC and its direct and indirect subsidiaries

Edward C. Johnson 3d

By /s/ John McGinty
John McGinty
Duly authorized under Power of Attorney dated May 18, 2007, by Eric D. Roiter by and on behalf of Edward C. Johnson 3d

Fidelity Management & Research Company

By /s/ John McGinty
John McGinty
Duly authorized under Power of Attorney dated May 18, 2007, by Eric D. Roiter Senior V.P. and General Counsel