

SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

FORM S-8
 REGISTRATION STATEMENT
 Under
 The Securities Act of 1933

FMC TECHNOLOGIES, INC.
 (Exact name of registrant as specified in its charter)

Delaware 36-4412642
 (State or other jurisdiction of (I.R.S. Employer
 incorporation or organization) Identification No.)

200 East Randolph Drive 60601
 Chicago, Illinois (Zip Code)
 (Address of Principal Executive Offices)

FMC Technologies, Inc. Savings and Investment Plan
 (Full title of the plan)

William H. Schumann III
 Senior Vice President and Chief Financial Officer
 200 East Randolph Drive
 Chicago, Illinois 60601
 (Name and address of agent for service)

(312) 861-6000
 (Telephone number, including area code, of agent for service)

Copy to:

Steven J. Gavin
 Winston & Strawn
 35 West Wacker Drive
 Chicago, Illinois 60601
 (312) 558-5600

CALCULATION OF REGISTRATION FEE

Title of Securities to be registered	Amount to be registered (1)	Proposed maximum offering price per unit (2) (3)	Proposed maximum aggregate offering price (2) (3)	Amount of registration fee
Common stock, par value \$0.01 per share....	6,000,000 shares	\$16.32	\$97,920,000	\$23,402.88

- (1) In addition, pursuant to Rule 416(c) under the Securities Act of 1933, as amended (the "1933 Act") this registration statement also covers an indeterminate amount of interests to be offered or sold pursuant to the employee benefit plan described herein.
- (2) Estimated pursuant to Rule 457(h)(1) and (c) under the 1933 Act, solely for the purpose of calculating the amount of the registration fee based on the average of the high and low prices reported for shares of Common Stock of the Registrant on the New York Stock Exchange on December 31, 2001.
- (3) The Common Stock registered hereby includes Preferred Stock Purchase Rights (the "Rights"). The Rights are associated with and trade with the Common

Stock. The value, if any, attributable to the Rights is reflected in the market price of the Common Stock.

2

PART I - INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

FMC Technologies, Inc., a Delaware corporation (the "Registrant"), shall deliver the document containing the information in Part I of this Registration Statement to each participant in the FMC Technologies, Inc. Savings and Investment Plan (the "Plan") as specified by Rule 428(b)(1) of the Securities Act of 1933, as amended (the "1933 Act"). Such document is not being filed with or included in this Registration Statement (by incorporation by reference or otherwise) in accordance with the rules and regulations of the Securities and Exchange Commission (the "Commission"). Such document and the documents incorporated by reference into this Registration Statement pursuant to Item 3 of Part II of this Registration Statement, taken together, constitute a prospectus that meets the requirements of Section 10(a) of the 1933 Act.

PART II - INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference.

The following documents previously filed with the Commission by the Registrant are incorporated by reference herein:

(i) the Registrant's Prospectus filed pursuant to Rule 424(b) under the 1933 Act on June 14, 2001 relating to the Registrant's Registration Statement on Form S-1 (File No. 333-55920);

(ii) the Registrant's Quarterly Reports on Form 10-Q for the quarters ended June 30 and September 30, 2001 filed pursuant to the Securities Exchange Act of 1934, as amended (the "1934 Act");

(iii) the Registrant's Current Reports on Form 8-K dated July 11, July 27, July 31 and September 6, 2001 filed pursuant to the 1934 Act; and

(iv) the description of the Registrant's Common Stock and associated Rights contained in the Registrant's Registration Statement on Form 8-A filed on May 11, 2001 pursuant to Section 12 of the 1934 Act and all amendments thereto and reports filed for the purpose of updating such description.

All documents subsequently filed with the Commission by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the 1934 Act, prior to the filing of a post-effective amendment which indicates that all securities offered have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference herein and to be part hereof from the respective dates of filing of such documents. Any statement contained herein or in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes hereof to the extent that a statement contained herein or in any other subsequently filed document which is also incorporated or deemed to be incorporated herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

Item 4. Description of Securities.

Not applicable.

Item 5. Interests of Named Experts and Counsel.

None.

Item 6. Indemnification of Directors and Officers.

Section 145 of the General Corporation Law of the State of Delaware provides as follows:

A corporation shall have the power to indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or

investigative (other than an action by or in the right of the corporation) by reason of the fact that the person is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or

other enterprise, against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by the person in connection with such action, suit or proceeding if the person acted in good faith and in a manner the person reasonably believed to be in or not opposed to the best interest of the corporation, and, with respect to any criminal action or proceeding, had no reasonable cause to believe the person's conduct was unlawful. The termination of any action, suit or proceeding by judgment, order, settlement, conviction or upon a plea of NOLU CONTENDERE or its equivalent, shall not, of itself, create a presumption that the person did not act in good faith and in a manner which the person reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, had reasonable cause to believe that the person's conduct was unlawful.

A corporation shall have the power to indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the corporation to procure a judgment in its favor by reason of the fact that the person is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against expenses (including attorneys' fees) actually and reasonably incurred by the person in connection with the defense or settlement of such action or suit if the person acted in good faith and in a manner the person reasonably believed to be in or not opposed to the best interests of the corporation and except that no indemnification shall be made in respect to any claim, issue or matter as to which such person shall have been adjudged to be liable to the corporation unless and only to the extent that the Court of Chancery or the court in which such action or suit was brought shall determine upon application that, despite the adjudication of liability but in view of all the circumstances of the case, such person is fairly and reasonably entitled to indemnity for such expenses which the Court of Chancery or such other court shall deem proper.

As permitted by the General Corporation Law of the State of Delaware, the Registrant has included in its Certificate of Incorporation a provision to eliminate the personal liability of its directors for monetary damages for breach of their fiduciary duties as directors, subject to certain exceptions. In addition, the Registrant's Certificate of Incorporation and Bylaws provide that the Registrant is required to indemnify its officers and directors under certain circumstances, including those circumstances in which indemnification would otherwise be discretionary, and the Registrant is required to advance expenses to its officers and directors as incurred in connection with proceedings against them for which they may be indemnified.

The Registrant maintains directors and officers liability insurance for the benefit of its directors and officers.

Item 7. Exemption from Registration Claimed.

Not Applicable.

Item 8. Exhibits.

The following documents are filed as exhibits to this Registration Statement:

Exhibit No. -----	Description -----
4.1	Rights Agreement, dated as of June 5, 2001, by and between the Registrant and Computershare Investor Services, LLC, as filed with the Commission on June 14, 2001 as Exhibit 4.2 to the Registrant's Registration Statement on Form S-8 (File No. 333-62996) and incorporated herein by reference.

- 15.1 Letter regarding unaudited interim financial information.
- 23.1 Consent of KPMG LLP.
- 24.1 Powers of attorney (included on the signature page hereto).

In lieu of an opinion of counsel or an Internal Revenue Service determination letter contemplated by Item 601(b)(5)(ii) of Regulation S-K, the Registrant hereby undertakes to submit the Plan, and any amendment

4

thereto, to the Internal Revenue Service (the "IRS") in a timely manner, and that it will make all changes required by the IRS in order to qualify the Plan under Section 401 of the Internal Revenue Code.

Item 9. Undertakings.

(a) The undersigned Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement:

(i) To include any prospectus required by Section 10(a)(3) of the 1933 Act;

(ii) To reflect in the prospectus any facts or events arising after the effective date of this Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in this Registration Statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in this Registration Statement; and

(iii) To include any material information with respect to the plan of distribution not previously disclosed in this Registration Statement or any material change to such information in this Registration Statement;

Provided, however, that paragraphs (a)(1)(i) and (a)(1)(ii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the Commission by the Registrant pursuant to Section 13 or Section 15(d) of the 1934 Act that are incorporated by reference in this Registration Statement.

(2) That, for the purpose of determining any liability under the 1933 Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(b) The Registrant hereby undertakes that, for purposes of determining any liability under the 1933 Act, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the 1934 Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the 1934 Act) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities

at that time shall be deemed to be the initial bona fide offering thereof.

(c) Insofar as indemnification for liabilities arising under the 1933 Act may be permitted to directors, officers and controlling persons of the Registrant pursuant to the foregoing provisions, or otherwise, the Registrant has been advised that in the opinion of the Commission such indemnification is against public policy as expressed in the 1933 Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the 1933 Act and will be governed by the final adjudication of such issue.

5

SIGNATURES

The Registrant. Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Chicago, State of Illinois, on January 2, 2002.

FMC TECHNOLOGIES, INC.

By: /s/ William H. Schumann III

Name: William H. Schumann III
Title: Senior Vice President and Chief
Financial Officer

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Randall S. Ellis and Steven H. Shapiro, and each or any of them (with full power to each of them to act alone), his true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, to do any and all acts and things and execute, in the name of the undersigned, any and all instruments which said attorneys-in-fact and agents may deem necessary or advisable in order to enable FMC Technologies, Inc. to comply with the Securities Act of 1933 and any requirements of the Securities and Exchange Commission in respect thereof, in connection with the filing with the Securities and Exchange Commission of the registration statement on Form S-8 under the Securities Act of 1933, including specifically, but without limitation, power and authority to sign the name of the undersigned to any amendments to such registration statement (including post-effective amendments) and additional registration statements filed in accordance with General Instruction E to Form S-8 to register additional securities, and to file the same with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, to sign any and all applications, registration statements, notices or other documents necessary or advisable to comply with applicable state securities laws, and to file the same, together with other documents in connection therewith, with the appropriate state securities authorities, granting unto said attorneys-in-fact and agents, and each or any of them, full power and authority to do and to perform each and every act and thing requisite or necessary to be done in and about the premises, as fully and to all intents and purposes as the undersigned might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, and each or any of them, or their substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the date indicated.

----- /s/ Robert N. Burt ----- Robert N. Burt	----- Chairman of the Board, Chief Executive Officer and Director (Principal Executive Officer)	----- September 28, 2001
----- /s/ William H. Schumann III ----- William H. Schumann III	----- Senior Vice President and Chief Financial Officer (Principal Financial Officer)	----- September 28, 2001
----- /s/ Ronald D. Mambu ----- Ronald D. Mambu	----- Vice President and Controller (Principal Accounting Officer)	----- September 28, 2001
----- /s/ Joseph H. Netherland ----- Joseph H. Netherland	----- Director	----- September 28, 2001
----- /s/ Mike R. Bowlin ----- Mike R. Bowlin	----- Director	----- September 28, 2001
----- /s/ B. A. Bridgewater, Jr. ----- B. A. Bridgewater, Jr.	----- Director	----- September 28, 2001
----- /s/ Asbjorn Larsen ----- Asbjorn Larsen	----- Director	----- September 28, 2001
----- /s/ Edward J. Mooney ----- Edward J. Mooney	----- Director	----- September 28, 2001
----- /s/ William F. Reilly ----- William F. Reilly	----- Director	----- September 28, 2001
----- /s/ James M. Ringler ----- James M. Ringler	----- Director	----- September 28, 2001
----- /s/ James R. Thompson ----- James R. Thompson	----- Director	----- September 28, 2001

The Plan. Pursuant to the requirements of the Securities Act of 1933, the Plan Administrator for the Plan certifies that it has caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Chicago, State of Illinois, on January 2, 2002.

FMC TECHNOLOGIES, INC. SAVINGS AND
INVESTMENT PLAN

By: FMC Technologies, Inc. Employee
Welfare Benefits Plan Committee,
as Plan Administrator

By: /s/ Michael W. Murray

Name: Michael W. Murray
Title: Member, FMC Technologies, Inc.
Employee Welfare Benefits Plan
Committee

Exhibit No.	Description
-----	-----
4.1	Rights Agreement, dated as of June 5, 2001, by and between the Registrant and Computershare Investor Services, LLC, as filed with the Commission on June 14, 2001 as Exhibit 4.2 to the Registrant's Registration Statement on Form S-8 (File No. 333-62996) and incorporated herein by reference.
15.1	Letter regarding unaudited interim financial information.
23.1	Consent of KPMG LLP.
24.1	Powers of attorney (included on the signature page hereto).

Letter re: Unaudited Interim Financial Information

FMC Technologies, Inc.
Chicago, Illinois

Ladies and Gentlemen:

With respect to the accompanying registration statement on Form S-8 filed by FMC Technologies, Inc., we acknowledge our awareness of the incorporation by reference of our reports dated July 31, 2001 and October 31, 2001 related to our reviews of interim financial information.

Pursuant to rule 436(c) under the Securities Act of 1933, such reports are not considered a part of a registration statement prepared or certified by an accountant or a report prepared or certified by an accountant within the meaning of Sections 7 and 11 of the Act.

Very truly yours,

/s/ KPMG LLP

Chicago, Illinois
January 2, 2002

Consent of KPMG LLP

The Board of Directors
FMC Technologies, Inc.

We consent to the incorporation by reference in this Registration Statement of FMC Technologies, Inc. on Form S-8 of our report dated February 9, 2001 relating to the combined balance sheets of FMC Technologies, Inc. as of December 31, 1999 and 2000, and the related combined statements of income, cash flows, and changes in stockholder's equity for each of the years in the three-year period ended December 31, 2000, which report appears in the registration statement on Form S-1 (No. 333-55920) of FMC Technologies, Inc.

/s/ KPMG LLP

Chicago, Illinois
January 2, 2002