UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant To Section 13 OR 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): September 16, 2015

MINERALS TECHNOLOGIES INC.

(Exact name of registrant as specified in its charter)

Delaware

1-11430

25-1190717

(State or other jurisdiction of incorporation)

622 Third Avenue, New York, NY

(Address of principal executive offices)

(Commission File Number) (IRS Employer Identification No.)

10017-6707

(Zip Code)

(212) 878-1800

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions.

[] Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

[] Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

[] Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

[] Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01 Other Events.

On September 16, 2015 the Company issued a press release announcing that on September 16, 2015 its Board of Directors authorized a new, two-year \$150 million share repurchase program. This authorization will become effective when the current two-year \$150 million program expires in October of this year.

A copy of the press release announcing the share repurchase program is attached hereto as Exhibit 99.1 and incorporated by reference herein.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

99.1 Press Release Dated September 16, 2015

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

MINERALS TECHNOLOGIES INC. (Registrant)

By: /s/ Thomas J. Meek Name: Thomas J. Meek Title: Senior Vice President, General Counsel, Human Resources, Secretary and Chief Compliance Officer

Date: September 21, 2015

MINERALS TECHNOLOGIES INC.

EXHIBIT INDEX

Exhibit No.

Subject Matter

99.1

Press Release dated September 16, 2015



For Immediate Release September 16, 2015

Exhibit 99.1



Contact: Rick Honey (212) 878-1831

Minerals Technologies Board of Directors Authorizes \$150 Million, Two-Year Share Repurchase Program

NEW YORK, September 16, 2015-Minerals Technologies Inc. (NYSE: MTX) announced today that its Board of Directors has authorized a new, two-year \$150 million share repurchase program. This authorization will become effective when the current two-year \$150 million program expires in October of this year.

"Our Board of Directors has indicated its confidence in the company's strategic direction, high performance and cash-generating ability by authorizing this \$150 million share repurchase program," said Joseph C. Muscari, chairman and chief executive officer. "We will continue to focus primarily on debt reduction, but will repurchase shares, as we deem appropriate, using a balanced, value-based approach to the use of our cash."

New York-based Minerals Technologies Inc. is a resource- and technology-based growth company that develops, produces and markets worldwide a broad range of specialty mineral, mineral-based and synthetic mineral products and related systems and services. MTI serves the paper, foundry, steel, environmental, energy, polymer and consumer products industries. The company reported sales of \$1.725 billion in 2014.