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

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**FORM 6-K**

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**REPORT OF FOREIGN PRIVATE ISSUER  
PURSUANT TO RULE 13a-16 or 15d-16  
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

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For the month of September, 2017

Commission File Number: 001-14946

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**CEMEX, S.A.B. de C.V.**

(Translation of Registrant's name into English)

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**Avenida Ricardo Margáin Zozaya #325, Colonia Valle del Campestre  
San Pedro Garza García, Nuevo León, México 66265**  
(Address of principal executive offices)

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Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F

Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

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## Contents

1. Press release, dated September 27, 2017, announcing that CEMEX, S.A.B. de C.V. (NYSE: CX) has sold its remaining direct interest in Grupo Cementos de Chihuahua, S.A.B. de C.V.

**SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, CEMEX, S.A.B. de C.V. has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

CEMEX, S.A.B. de C.V.

(Registrant)

Date: September 27, 2017

By: /s/ Rafael Garza

Name: Rafael Garza

Title: Chief Comptroller

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**EXHIBIT INDEX**

EXHIBIT  
NO.

DESCRIPTION

1. Press release, dated September 27, 2017, announcing that CEMEX, S.A.B. de C.V. (NYSE: CX) has sold its remaining direct interest in Grupo Cementos de Chihuahua, S.A.B. de C.V.

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**CEMEX SELLS REMAINING DIRECT INTEREST IN  
GRUPO CEMENTOS DE CHIHUAHUA**

**MONTERREY, MEXICO. SEPTEMBER 27, 2017**—CEMEX, S.A.B. de C.V. (“CEMEX”) (NYSE: CX) announced that it has sold 31,483,332 shares of common stock (the “Shares”) of Grupo Cementos de Chihuahua, S.A.B. de C.V. (“GCC”), which represents approximately 9.47% of the equity capital of GCC. Proceeds from the sale were approximately U.S.\$168 million, which will be used mainly for debt reduction and for general corporate purposes.

CEMEX continues to have an approximate 20% indirect interest in GCC through CAMCEM, S.A. de C.V., an entity that owns a majority interest in GCC and in which CEMEX has a direct interest. The sale of the GCC Shares comprised the remainder of CEMEX’s direct interest in GCC which was not previously sold in February of 2017, and was made in the context of CEMEX’s previously announced global asset divestiture plans.

In connection with the sale of the GCC Shares, CEMEX entered into forward contracts on the stock price of GCC with two financial institutions, which are payable in cash, but may be unwound earlier at CEMEX’s option. CEMEX will retain exposure to the GCC stock price. The transactions have an 18-month tenor. GCC is not a party to these forward contracts.

CEMEX is a global building materials company that provides high-quality products and reliable services to customers and communities in more than 50 countries. CEMEX has a rich history of improving the well-being of those it serves through innovative building solutions, efficiency advancements, and efforts to promote a sustainable future.

For more information on CEMEX, please visit [www.cemex.com](http://www.cemex.com)

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*This press release contains forward-looking statements and information that are necessarily subject to risks, uncertainties, and assumptions. CEMEX assumes no obligation to update or correct the information contained in this press release.*