
U.S. SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 6-K

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

For the Month of February 2018

Nexa Resources S.A.

(Exact Name as Specified in its Charter)

N/A

(Translation of Registrant's Name)

**26-28 rue Edward Steichen
L-2540, Luxembourg
Grand Duchy of Luxembourg**
(Address of principal executive offices)

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):

Indicate by check mark whether by furnishing the information contained in this Form, the registrant is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes No

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): Not applicable.

EXHIBIT INDEX

| <u>Exhibit</u> | <u>Description of Exhibit</u> |
|----------------|-------------------------------|
| 99.1 | Share Premium Announcement |

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, thereunto duly authorized.

Date: February 15, 2018

NEXA RESOURCES S.A.

By: /s/ Mario Bertoncini

Name: Mario Bertoncini

Title: Senior Vice President Finance and Chief Financial Officer



**NEXA RESOURCES S.A. ANNOUNCES
A SHARE PREMIUM DISTRIBUTION OF US\$80 MILLION**

Luxembourg, February 15th, 2018 – Nexa Resources S.A. (“**Nexa Resources**” or the “**Company**”), announces that the board of directors of the Company (“**Board**”) resolved today to distribute a share premium to its shareholders in an aggregate amount of US\$80 million, which is equivalent to US\$0.600057697 per share (“**Share Premium Amount**”).

The Share Premium Amount will be paid on March 28th, 2018 and shareholders owning shares on March 14th, 2018 will be entitled to receive the respective Share Premium Amount. Shares will be traded ex-dividend on the Toronto Exchange Stock (TSX) and New York Stock Exchange (NYSE) as of March 13th, 2018.

Forward-Looking Statements

This press release includes “forward-looking statements,” within the meaning of applicable securities laws. Forward-looking statements are subject to known and unknown risks and uncertainties, many of which may be beyond our control. We caution you that the forward-looking information presented in this press release is not a guarantee of future events, and that actual events may differ materially from those made in or suggested by the forward-looking information contained in this press release. Any forward-looking information presented herein is made only as of the date of this press release, and we do not undertake any obligation to update or revise any forward-looking information to reflect changes in assumptions, the occurrence of unanticipated events, or otherwise.

About Nexa Resources S.A.

Nexa Resources is a large-scale, low-cost integrated zinc producer with over 60 years of experience developing and operating mining and smelting assets in Latin America. The Company operates and owns five long-life underground mines, three located in the Central Andes of Peru and two located in the state of Minas Gerais in Brazil. Two of the Company’s mines, Cerro Lindo in Peru and Vazante in Brazil, are among the 12 largest zinc mines in the



world and combined with the Company's other mining operations, place the Company among the top five producers of mined zinc globally in 2016, according to Wood Mackenzie.

Contact: ir@nexaresources.com