UNITED STATES
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 May 2020

Commission File Number: 001-36515

Materialise NV

Technologielaan 15
3001 Leuven
Belgium
(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of 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): ☐

EXHIBIT INDEX

Exhibit	Description
99.1	Press Release dated May 18, 2020

<div align="center">**SIGNATURE**</div>

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.

MATERIALISE NV

By: /s/ Wilfried Vancraen
      Name: Wilfried Vancraen
      Title: Chief Executive Officer

Date: May 19, 2020

Exhibit 99.1

Materialise to Hold Virtual Annual General Shareholders' Meeting on June 2, 2020

LEUVEN, Belgium—May 18, 2020— Materialise NV (NASDAQ:MTLS), a leading provider of additive manufacturing software and of sophisticated 3D printing solutions, today announced that it will host its Annual General Shareholders' Meeting at 10:00 am CEST on Tuesday, June 2, 2020.

Due to the COVID-19 pandemic, the meeting will be held only through a conference call (electronic participation). Dial-in details will be provided on http://investors.materialise.com on the Events & Presentations page.

The convening notices and other documents pertaining to the Annual General Shareholders' Meeting, including the annual management report, are available on Materialise's website at http://investors.materialise.com on the Governance page.

About Materialise

Materialise incorporates 30 years of 3D printing experience into a range of software solutions and 3D printing services, which together form the backbone of the 3D printing industry. Materialise's open and flexible solutions enable players in a wide variety of industries, including healthcare, automotive, aerospace, art and design, and consumer goods, to build innovative 3D printing applications that aim to make the world a better and healthier place. Headquartered in Belgium, with branches worldwide, Materialise combines the largest group of software developers in the industry with one of the largest and most complete 3D printing facilities in the world. For additional information, please visit: www.materialise.com.