

Gildan Activewear Inc.  
Form 6-K  
December 24, 2012

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**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 **December, 2012**

Commission File Number: **001-14830**

**GILDAN ACTIVEWEAR INC.**

*(Translation of registrant's name into English)*

**600 de Maisonneuve Boulevard West  
33rd Floor  
Montréal, Québec  
Canada H3A 3J2**

*(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                      [ X ] 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 [ X ]

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): N/A

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**SUBMITTED HEREWITH**

Exhibits

99.1 Annual Report for the 2012 fiscal year.

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**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.

**GILDAN ACTIVEWEAR INC.**

(Registrant)

Date: December 21, 2012

By: */s/ Lindsay Matthews*

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Lindsay Matthews

Title: Vice-President, General Counsel and Corporate Secretary

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