

Gildan Activewear Inc.  
Form 6-K  
February 10, 2010

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, DC 20549**

**Form 6-K**

**Report of Foreign Private Issuer**

**Pursuant to Rule 13a-16 or 15d-16 of  
the Securities Exchange Act of 1934**

**For the month of: February 2010 Commission File Number: 1-14830**

**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 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):

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): N/A

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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.**

Date: February 9, 2010

By: /s/ Lindsay Matthews

Name: Lindsay Matthews

Title: Director, Legal Services and  
Corporate Secretary

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**EXHIBIT INDEX**

| <b>Exhibit</b> | <b>Description of Exhibit</b>       |
|----------------|-------------------------------------|
| 99.1           | News Release Dated February 9, 2010 |