

Gildan Activewear Inc.
Form 6-K
August 12, 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: August 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

EXHIBIT INDEX

| Exhibit | Description of Exhibit |
|----------------|------------------------------------|
| 99.1 | News Release Dated August 12, 2010 |