

MICROMEM TECHNOLOGIES INC  
Form 6-K  
September 29, 2004

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FORM 6-K

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Report of Foreign Private Issuer  
Pursuant to Rule 13a-16 or 15d-16 of  
the Securities Exchange Act of 1934

For the month of September, 2004.

**MICROMEM TECHNOLOGIES INC.**

777 Bay Street, Suite 1910, Toronto, On M5G 2C8

[Indicate by checkmark 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 whether the registrant by furnishing the information contained in this Form 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

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.

MICROMEM TECHNOLOGIES INC.

By: **"signed"** \_\_\_\_\_

Name: Joseph Fuda

Title: Chief Executive Officer

Date: September 28, 2004