UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of

the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported) March 16, 2005

STERIS Corporation

(Exact name of registrant as specified in its charter)

Ohio (State or other jurisdiction

of incorporation)

1-14643 (Commission File Number) 34-1482024 (IRS Employer

Identification No.)

44060-1834 (Zip Code)

5960 Heisley Road, Mentor, Ohio (Address of principal executive offices)

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Registrant s telephone number, including area code (440) 354-2600

Not Applicable

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- " Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- " Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

ITEM 7.01 Regulation FD Disclosures

Attached hereto as Exhibit 99.1 is a copy of materials dated March 16, 2005 and prepared with respect to a presentation at the SG Cowen Healthcare Conference that is being made by senior management of STERIS Corporation on March 16, 2005.

The information contained in this Current Report on Form 8-K, including the exhibit attached hereto, is being furnished to the Securities and Exchange Commission and shall not be deemed to be filed for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that Section. Furthermore, the information contained in this Current Report on Form 8-K shall not be deemed to be incorporated by reference into any registration statement or other document filed pursuant to the Securities Act of 1933, as amended.

2

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 hereunto duly authorized.

STERIS CORPORATION

By:

/s/ Mark D. McGinley Mark D. McGinley Vice President, General Counsel and Secretary

Dated: March 16, 2005

3