

SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, DC 20549

FORM 8-A

FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES  
PURSUANT TO SECTION 12(b) OR 12(g) OF THE  
SECURITIES EXCHANGE ACT OF 1934

POLYONE CORPORATION

(Exact Name of Registrant as Specified in Its Charter)

OHIO

34-1730488

(State of Incorporation or Organization)

(I.R.S. Employer Identification no.)

Suite 36 - 5000  
200 Public Square  
Cleveland, Ohio

44114-2304

(Address of Principal Executive Offices)

(Zip Code)

If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A.(c), please check the following box.

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A.(d), please check the following box.

Securities Act registration statement file number to which this form relates:

333-37344

(If applicable)

Securities to be registered pursuant to Section 12(b) of the Act:

Title of Each Class  
to be so Registered

Name of Each Exchange on Which  
Each Class is to be Registered

COMMON SHARES, PAR VALUE \$0.01 PER SHARE  
OF POLYONE CORPORATION

NEW YORK STOCK EXCHANGE

Securities to be registered pursuant to Section 12(g) of the Act:

NONE

(Title of class)

**ITEM 1. DESCRIPTION OF REGISTRANT'S SECURITIES TO BE REGISTERED.**

The description of PolyOne Corporation's common shares, par value \$0.01 per share, required by this Item is contained in the registrant's registration statement on Form S-4 (Registration No. 333-37344) under the Securities Act of 1933, filed with the Securities and Exchange Commission on May 18, 2000, as amended (the "Registration Statement"). Such description, which appears in the prospectus contained in the Registration Statement under the captions "Description of PolyOne Corporation Capital Stock" and "Comparison of Rights of Holders of Geon and Hanna Common Stock and PolyOne Corporation Common Shares," is incorporated herein by reference.

**ITEM 2. EXHIBITS.**

Not applicable.

## SIGNATURE

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereto duly authorized.

POLYONE CORPORATION  
(Registrant)

Date: August 31, 2000

By: /s/ Gregory L. Rutman  
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Name: Gregory L. Rutman  
Title: Vice President, Chief  
Legal Officer and Secretary