
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

FORM 15

**CERTIFICATION AND NOTICE OF TERMINATION OF REGISTRATION
UNDER SECTION 12(g) OF THE SECURITIES EXCHANGE ACT OF 1934
OR SUSPENSION OF DUTY TO FILE REPORTS UNDER SECTIONS 13 AND 15(d)
OF THE SECURITIES EXCHANGE ACT OF 1934.**

Commission File Number: 1-16091

POLYONE CORPORATION

(Exact name of registrant as specified in its charter)

**PolyOne Center
33587 Walker Road
Avon Lake, Ohio 44012
Telephone: (440) 930-1000**

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

7.500% debentures, due 2015
(Title of each class of securities covered by this Form)

**Common Shares, par value \$.01 per share
7.375% senior notes, due 2020**
(Titles of all other classes of securities for which a duty to file reports under section 13(a) or 15(d) remains)

Please place an X in the box(es) to designate the appropriate rule provision(s) relied upon to terminate or suspend the duty to file reports:

Rule 12g-4(a)(1)	<input checked="" type="checkbox"/>
Rule 12g-4(a)(2)	<input type="checkbox"/>
Rule 12h-3(b)(1)(i)	<input checked="" type="checkbox"/>
Rule 12h-3(b)(1)(ii)	<input type="checkbox"/>
Rule 15d-6	<input type="checkbox"/>

Approximate number of holders of record as of the certification or notice date:

7.500% debentures, due 2015 — 41 holders

Pursuant to the requirements of the Securities Exchange Act of 1934, PolyOne Corporation has caused this certification/notice to be signed on its behalf by the undersigned duly authorized person.

POLYONE CORPORATION

Date: February 6, 2013

By: /s/ Lisa K. Kunkle

Name: Lisa K. Kunkle, Esq.

Title: Vice President, General Counsel and Secretary

[Signature Page to PolyOne Form 15]