

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 the earliest event reported)
October 8, 2004

Kronos Worldwide, Inc.

(Exact name of Registrant as specified in its charter)

Delaware	1-31763	76-0294959
----- (State or other jurisdiction of incorporation)	----- (Commission File Number)	----- (IRS Employer Identification No.)
5430 LBJ Freeway, Suite 1700, Dallas, Texas		75240-2697
----- (Address of principal executive offices)		----- (Zip Code)

Registrant's telephone number, including area code
(972) 233-1700

(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 (see General Instruction A.2):

- 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 Disclosure.

The registrant hereby furnishes the information set forth in its press release issued on October 8, 2004, a copy of which is attached hereto as Exhibit 99.1 and incorporated herein by reference.

The information, including the exhibit, the registrant furnishes in this report is not deemed "filed" for purposes of section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section. Registration statements or other documents filed with the Securities and Exchange Commission shall not incorporate this information by reference, except as otherwise expressly stated in such filing.

Item 9.01 Financial Statements and Exhibits.

(c) Exhibits.

Item No.	Exhibit Index
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99.1	Press Release dated October 8, 2004 issued by the registrant.

SIGNATURE

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.

KRONOS WORLDWIDE, INC.
(Registrant)

By: /s/ A. Andrew R. Louis

A. Andrew R. Louis
Assistant Secretary

Date: October 8, 2004

INDEX TO EXHIBITS

Exhibit No. -----	Description -----
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KRONOS WORLDWIDE, INC.
Three Lincoln Centre
5430 LBJ Freeway, Suite 1700
Dallas, Texas 75240-2697

Contact: Gregory M. Swalwell
Vice President, Finance and
Chief Financial Officer
(972) 233-1700

News Release

[LOGO GOES HERE]
FOR IMMEDIATE RELEASE

KRONOS WORLDWIDE, INC. ANNOUNCES OFFERING OF COMMON STOCK

Dallas, Texas, October 8, 2004 -- Kronos Worldwide, Inc. (NYSE: KRO) today announced that it has filed a registration statement with the Securities and Exchange Commission for a proposed offering of 7.5 million shares of its common stock. UBS Securities LLC is acting as the book running manager for the offering. The underwriters may also purchase from Kronos, within 30 days from the date of a final prospectus, up to an additional 750,000 shares of common stock to cover over-allotments.

A registration statement relating to these securities has been filed with the Securities and Exchange Commission but has not yet become effective. These securities may not be sold nor may offers to buy be accepted prior to the time the registration statement becomes effective. This press release shall not constitute an offer to sell or the solicitation of an offer to buy nor shall there be any sale of these securities in any state in which such offer, solicitation or sale would be unlawful prior to the registration or qualification under the securities laws of any such state. When available, a preliminary prospectus relating to this offering may be obtained from UBS Securities LLC, Prospectus Department, 299 Park Avenue, New York, NY 10171.

Kronos Worldwide, Inc. is a major international producer of titanium dioxide pigments.