

LyondellBasell Industries N.V.
 Form 4
 December 17, 2010

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Apollo Management Holdings GP, LLC

2. Issuer Name and Ticker or Trading Symbol
 LyondellBasell Industries N.V. [LYB]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 9 WEST 57TH STREET
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 12/07/2010

____ Director
 ____ Officer (give title below)
 10% Owner
 ____ Other (specify below)

NEW YORK, NY 10019

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 ____ Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code V	Amount	(A) or (D)	Price
Class A Ordinary Shares	12/07/2010		C ⁽¹⁾	77,151,204	A	Ⓛ	164,898,365
							See footnote ⁽²⁾

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
Class B Ordinary Shares	(1)	12/07/2010		C	77,151,204	(1) (1)	Class A Ordinary Shares 77,151,204

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Apollo Management Holdings GP, LLC 9 WEST 57TH STREET NEW YORK, NY 10019		X		
Apollo Management Holdings, L.P. 9 WEST 57TH STREET NEW YORK, NY 10019		X		
Apollo Management VII, L.P. 9 WEST 57TH STREET NEW YORK, NY 10019		X		
AIF VII Management, LLC 9 WEST 57TH STREET NEW YORK, NY 10019		X		
Apollo Management, L.P. 9 WEST 57TH STREET NEW YORK, NY 10019		X		
Apollo Management GP, LLC 9 WEST 57TH STREET NEW YORK, NY 10019		X		

Signatures

[see signatures attached as Exhibit 99.2] 12/17/2010

__Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) See Exhibit 99.1.
- (2) See Exhibit 99.1.

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Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.
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