

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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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 \_\_\_X\_\_\_ 10% Owner  
 \_\_\_ Officer (give title below) \_\_\_ 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  
 \_X\_ 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 Ownership (Instr. 4)		
				Code V	Amount	(A) or (D)	Price		
Class A Ordinary Shares	12/07/2010		C <sup>(1)</sup>	77,151,204	A	Ⓛ	164,898,365	I	See footnote <sup>(2)</sup>

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)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount of Number of Shares
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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