

LyondellBasell Industries N.V.  
Form 4  
December 12, 2012

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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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 \*  
AI Petroleum Holdings 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)  
730 FIFTH AVENUE, 20TH FL  
  
(Street)

3. Date of Earliest Transaction  
(Month/Day/Year)  
12/10/2012

\_\_\_\_ Director  
\_\_\_\_ Officer (give title below)  
\_\_X\_\_ 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)  
\_\_X\_\_ 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 Ownership (Instr. 4)
				Code V	Amount	(A) or (D)	Price
Class A Ordinary Shares	12/10/2012		J <sup>(2)</sup>		63,961,051 <sup>(1)</sup>	D	\$ 0
						I	16,000,000 <sup>(3)</sup>

By Subsidiaries

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)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Following Transaction (Instr. 6)
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## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
AI Petroleum Holdings LLC 730 FIFTH AVENUE, 20TH FL NEW YORK, NY 10019		X		

## Signatures

/s/ Alejandro Moreno for AI Petroleum Holdings LLC 12/12/2012

\_\_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) The securities disposed of are held directly by AI International Chemicals Sarl ("AIIC") and may be deemed to be held indirectly by the reporting person, because AIIC is a wholly owned subsidiary of AI Investments Holdings LLC ("AIIH"), which was, prior to the consummation of the transaction reported on this Form 4, a wholly owned subsidiary of the reporting person. The reporting person disclaims beneficial ownership of these securities, except to the extent of its pecuniary interest therein, and this Form shall not be construed as an admission that any such reporting person is the beneficial owner of any of the securities reported on this Form.
  - (2) Distribution by AI Petroleum Holdings LLC ("AIPH") of interests in subsidiary to parent company. The securities continue to be owned directly by AIIC.
    - (3) The securities reported are held directly by AI European Holdings Sarl ("AIEH") which may be deemed to be beneficially owned by the reporting person because AIEH is an indirect subsidiary of the reporting person. The reporting person disclaims beneficial ownership of these securities, except to the extent of its pecuniary interest therein, and this Form shall not be construed as an admission that such reporting person is the beneficial owner of any such securities.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.