

LyondellBasell Industries N.V.

Form 3

December 07, 2012

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

OMB
Number: 3235-0104Expires: January 31,
2005Estimated average
burden hours per
response... 0.5**INITIAL STATEMENT OF 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

(Last) (First) (Middle)

730 FIFTH AVENUE, 20TH FL

(Street)

NEW YORK, NY 10019

(City) (State) (Zip)

2. Date of Event Requiring
Statement

(Month/Day/Year)

12/07/2012

3. Issuer Name and Ticker or Trading Symbol
LyondellBasell Industries N.V. [LYB]4. Relationship of Reporting
Person(s) to Issuer

(Check all applicable)

____ Director ____X____ 10% Owner
____ Officer ____ Other
(give title below) (specify below)5. 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**Table I - Non-Derivative Securities Beneficially Owned**1. Title of Security
(Instr. 4)2. Amount of Securities
Beneficially Owned
(Instr. 4)3. Ownership
Form:
Direct (D)
or Indirect
(I)
(Instr. 5)4. Nature of Indirect Beneficial
Ownership
(Instr. 5)

Class A Ordinary Shares

79,961,051

I By subsidiaries ⁽¹⁾Reminder: Report on a separate line for each class of securities beneficially
owned directly or indirectly.

SEC 1473 (7-02)

**Persons who respond to the collection of
information contained in this form are not
required to respond unless the form displays a
currently valid OMB control number.****Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**1. Title of Derivative Security
(Instr. 4)2. Date Exercisable and
Expiration Date
(Month/Day/Year)Date
ExercisableExpiration
Date3. Title and Amount of
Securities Underlying
Derivative Security
(Instr. 4)Title
Amount or
Number of4. Conversion
or Exercise
Price of
Derivative
Security5. Ownership
Form of
Derivative
Security:
Direct (D)
or Indirect6. Nature of Indirect
Beneficial Ownership
(Instr. 5)

Shares

(I)
(Instr. 5)

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 | Â | Â X | Â | Â |

Signatures

Peter L. Thoren for AI Petroleum
Holdings LLC

12/07/2012

__Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 5(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).

Reflects 63,961,051 shares held directly by AI International Chemicals Sarl ("AIIC") and 16,000,000 shares held directly by AI European Holdings Sarl ("AIEH") which may be deemed to beneficially owned by the reporting person because AIIC and AIEH are indirect subsidiaries 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.

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