

INTERMOLECULAR INC

Form 4

September 25, 2015

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

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

OMB APPROVAL

OMB
Number: 3235-0287
Expires: January 31,
2005
Estimated average
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(Print or Type Responses)

1. Name and Address of Reporting Person *
MARTIN WILLIAM C

(Last) (First) (Middle)

**C/O RAGING CAPITAL
MANAGEMENT, LLC, TEN
PRINCETON AVENUE, PO BOX
228**

(Street)

ROCKY HILL, NJ 08553

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading
Symbol

INTERMOLECULAR INC [IMI]

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

09/23/2015

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

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

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

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		
Common Stock, \$.001 par value <u>(1)</u>	09/23/2015		P		283,913	A	\$ 1.7533	11,349,627	I <u>(2)</u>
									By Raging Capital Master Fund, Ltd.

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

**Persons who respond to the collection of
information contained in this form are not
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SEC 1474
(9-02)

displays a currently valid OMB control number.

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

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 Beneficially Owned Following Reported Transaction (Instr. 10)
				Code	V	(A)	(D)	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
MARTIN WILLIAM C C/O RAGING CAPITAL MANAGEMENT, LLC TEN PRINCETON AVENUE, PO BOX 228 ROCKY HILL, NJ 08553	X
Raging Capital Management, LLC TEN PRINCETON AVENUE PO BOX 228 ROCKY HILL, NJ 08553-0228	X
Raging Capital Master Fund, Ltd. C/O OGIER FIDUCIARY SERVICES (CAYMAN) 89 NEXUS WAY CAMANA BAY, GRAND CAYMAN, E9 KY 1-9007	X

Signatures

By: /s/ Frederick C. Wasch as attorney-in-fact for William C. Martin	09/25/2015
_____ **Signature of Reporting Person	Date
By: Raging Capital Management, LLC, By: /s/ Frederick C. Wasch, Chief Financial Officer	09/25/2015
_____ **Signature of Reporting Person	Date
By: Raging Capital Master Fund, Ltd., By: Raging Capital Management, LLC, Investment Manager, By: /s/ Frederick C. Wasch, Chief Financial Officer	09/25/2015
_____ **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).

This Form 4 is filed jointly by Raging Capital Master Fund, Ltd. ("Raging Master"), Raging Capital Management, LLC ("Raging Capital") and William C. Martin (collectively, the "Reporting Persons"). Each of the Reporting Persons may be deemed to be a member (1) of a Section 13(d) group that collectively owns more than 10% of the Issuer's outstanding shares of Common Stock. Each of the Reporting Persons disclaims beneficial ownership of the shares of Common Stock reported herein except to the extent of his or its pecuniary interest therein.

Represents securities owned directly by Raging Master. As the Investment Manager of Raging Master, Raging Capital may be deemed to (2) beneficially own the securities owned directly by Raging Master. As the Managing Member of Raging Capital, Mr. Martin may be deemed to beneficially own the securities owned directly by Raging Master.

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.