

INTERMOLECULAR INC  
Form 4  
December 19, 2016

**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 \*  
MARTIN WILLIAM C

2. Issuer Name and Ticker or Trading Symbol  
INTERMOLECULAR INC [IMI]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
12/15/2016

\_\_\_ Director \_\_\_X\_\_\_ 10% Owner  
\_\_\_ Officer (give title below) \_\_\_ Other (specify below)

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

(Street)

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

ROCKY HILL, NJ 08553-0228

(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			
Common Stock, \$.001 par value <sup>(1)</sup>	12/15/2016		P		10,200	A	\$ 0.9943	14,527,257	I <sup>(2)</sup>	By Raging Capital Master Fund, Ltd.
Common Stock, \$.001 par value <sup>(1)</sup>	12/15/2016		P		76,894	A	\$ 1	14,604,151	I <sup>(2)</sup>	By Raging Capital Master

Common Stock, \$.001 par value <sup>(1)</sup>	12/15/2016	P	5,800	A	\$ 1.01	14,609,951	I <sup>(2)</sup>	Fund, Ltd. By Raging Capital Master Fund, Ltd.
Common Stock, \$.001 par value <sup>(1)</sup>	12/16/2016	P	121,400	A	\$ 1.0407	14,731,351	I <sup>(2)</sup>	By Raging Capital Master Fund, Ltd.

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

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(9-02)

**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. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
						Code	V (A) (D)		

## 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 08553-0228

X

Raging Capital Management, LLC  
TEN PRINCETON AVENUE  
PO BOX 228  
ROCKY HILL, NJ 08553-0228

X

## Signatures

By: /s/ Frederick C. Wasch as attorney-in-fact for William C. Martin

12/19/2016

\_\_Signature of Reporting Person

Date

By: Raging Capital Management, LLC, By: /s/ Frederick C. Wasch, Chief Financial Officer

12/19/2016

\_\_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) This Form 4 is filed jointly by 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 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 securities reported herein except to the extent of his or its pecuniary interest therein.

(2) Represents securities held directly by Raging Capital Master Fund, Ltd. ("Raging Master"). Raging Capital is the Investment Manager of Raging Master. William C. Martin is the Chairman, Chief Investment Officer and Managing Member of Raging Capital. Raging Master has delegated to Raging Capital the sole authority to vote and dispose of the securities held by Raging Master pursuant to an Investment Management Agreement, dated November 9, 2012 (the "IMA"). The IMA may be terminated by any party thereto effective at the close of business on the last day of any fiscal quarter by giving the other party not less than sixty-one days' written notice. As a result, each of Raging Capital and William C. Martin may be deemed to beneficially own the securities held by Raging Master. Raging Master specifically disclaims beneficial ownership of the securities held by it by virtue of its inability to vote or dispose of such securities as a result of the IMA.

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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