DOW CHEMICAL CO /DE/

Form 4

February 23, 2005

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Check this box if no longer subject to Section 16. Form 4 or

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(State)

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

See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading KREINBERG ROMEO Issuer Symbol DOW CHEMICAL CO /DE/ [DOW] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify 2030 DOW CENTER 02/18/2005 below) below) Senior Vice President (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting MIDLAND, MI 48674 Person

(City) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Indirect Beneficial (Instr. 3, 4 and 5) Ownership (Month/Day/Year) (Instr. 8) Owned (I) Following (Instr. 4) (Instr. 4) Reported (A) Transaction(s) (Instr. 3 and 4) Code V Amount (D) Price

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

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5. Number of	6. Date Exercisable and	7. Title and Amour
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orDerivative	Expiration Date	Underlying Securit
Security	or Exercise		any	Code	Securities	(Month/Day/Year)	(Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	Day/Year) (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)					
				Code V	(A) (E	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Deferred Stock (1)	(2)	02/18/2005		A	15,720	<u>(3)</u>	02/18/2010	Common Stock	15,7
Non-Qualified Stock Option (right to buy)	\$ 53.525	02/18/2005		A	60,000	<u>(4)</u>	02/18/2015	Common Stock	60,0

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		

KREINBERG ROMEO 2030 DOW CENTER MIDLAND, MI 48674

Senior Vice President

Signatures

Tina S. Van Dam for Romeo Kreinberg, Senior Vice President

02/23/2005

**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) Granted under The Dow Chemical Company 1988 Award and Option Plan, a Rule 16b-3 plan. The plan pursuant to which the reported grant was made provides for tax withholding rights.
- (2) One-for-one.
- (3) The shares to be delivered in one installment on or about February 18, 2010 contingent upon continuation of employment...
- (4) The options vest in three equal annual installments beginning on February 18, 2006.

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.

Reporting Owners 2