

# FORM 3

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

OMB APPROVAL	
OMB Number:	3235-0104
Estimated 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  
or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

<b>1. Name and Address of Reporting Person *</b> Tchakerian Vahan (Last) (First) (Middle) C/O TEGAL CORPORATION, 2201 SOUTH MCDOWELL BLVD. (Street) PETALUMA, CA 94954 (City) (State) (Zip)	<b>2. Date of Event Requiring Statement</b> (Month/Day/Year) 07/06/2004	<b>3. Issuer Name and Ticker or Trading Symbol</b> TEGAL CORP /DE/ [TGAL]	
		<b>4. Relationship of Reporting Person(s) to Issuer</b> (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) VP, Sales & Field Ops, N.A.	<b>5. If Amendment, Date Original Filed</b> (Month/Day/Year)
		<b>6. Individual or Joint/Group Filing</b> (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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)

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)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Employee Stock Option	05/20/2005	05/20/2014	Common Stock	200,000	\$ 1.32	D	

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Tchakerian Vahan C/O TEGAL CORPORATION 2201 SOUTH MCDOWELL BLVD. PETALUMA, CA 94954			VP, Sales & Field Ops, N.A.	

## Signatures

/s/ Thomas R. Mika	07/08/2004
--------------------	------------

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).

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.