



7 SOLE DISPOSITIVE POWER  
0

8	SHARED DISPOSITIVE POWER*
	1,650,045

9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,650,045*
---	---

10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	( )
----	--	-----

11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9 16.9%
----	--

12	TYPE OF REPORTING PERSON IN
----	--------------------------------

\* See footnote on page 4.

1 NAME OF REPORTING PERSONS  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS  
  
Gallium Enterprises Inc.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) (x)  
(b) ( )

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION  
[New York]

NUMBER OF 5 SOLE VOTING POWER  
SHARES 1,650,045  
BENEFICIALLY  
OWNED BY EACH  
REPORTING  
PERSON WITH

6 SHARED VOTING POWER  
0

7 SOLE DISPOSITIVE POWER  
1,650,045

8 SHARED DISPOSITIVE POWER  
0

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH  
REPORTING PERSON  
1,650,045

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES  
CERTAIN SHARES ( )

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  
16.9%

12 TYPE OF REPORTING PERSON  
CO

ITEM 1(A). NAME OF ISSUER:  
EMCORE Corporation

ITEM 1(B). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:  
  
394 Elizabeth Avenue  
Somerset, New Jersey 08873

ITEM 2(A). NAME OF PERSON FILING:  
  
This statement is filed on behalf of:  
  
(a) Robert Louis-Dreyfus  
(b) Gallium Enterprises Inc.

ITEM 2(B). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:  
  
The principal business address of the Reporting Persons is:  
  
(a) Robert Louis-Dreyfus:  
Gallium Enterprises Inc.  
c/o Harborstone Capital  
152 West 57th Street  
21st Floor  
New York, New York 10019  
  
(b) Gallium Enterprises Inc.  
c/o Harborstone Capital  
152 West 57th Street  
21st Floor  
New York, New York 10019

ITEM 2(C). CITIZENSHIP:  
  
(a) Robert Louis-Dreyfus: Switzerland  
  
(b) Gallium Enterprises, Inc.: British Virgin Islands

ITEM 2(D). TITLE OF CLASS OF SECURITIES:  
  
Common Stock, no par value.

\* Consists of 1,217,510 shares and warrants to purchase 432,535 shares held by Gallium Enterprises Inc. Gallium Enterprises Inc. is controlled by Robert Louis-Dreyfus. These shares and warrants were acquired prior to the time that EMCORE Corporation common stock was registered under the Securities and Exchange Act of 1934.

ITEM 2(E). CUSIP NUMBER:  
290846104

ITEM 3. Not applicable.

ITEM 4. OWNERSHIP.

Entity	Amount Beneficially Owned	Percent of Class	Sole Voting Power	Shared Voting Power	Sole Dispositive Power	Shared Dispositive Power
Robert Louis- Dreyfus	1,650,045 (a)	16.9%	-0-	1,650,045 (a)	-0-	1,650,045 (a)
Gallium Enterprises, Inc.	1,650,045 (a)	16.9%	1,650,045	-0-	1,650,045	-0-

(a) Consists of 1,217,510 shares and warrants to purchase 432,535 shares held by Gallium Enterprises Inc. Gallium Enterprises Inc. is controlled by Robert Louis-Dreyfus.

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

Not applicable.

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

Not applicable.

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY.

Not applicable.

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

Not applicable.

ITEM 9. NOTICE OF DISSOLUTION OF GROUP.

Not applicable.

ITEM 10. CERTIFICATION.

Not applicable.

SIGNATURE

After reasonable inquiry and to the best of the knowledge and belief of the undersigned, the undersigned certify that the information set forth in this statement is true, complete and correct.

February 10, 1998

Robert Louis-Dreyfus

---

Name: Thomas G. Werthan  
Title: Attorney-in-fact

Gallium Enterprises Inc.

---

Name: Thomas G. Werthan  
Title: Attorney-in-fact