NAME
sem_close – close a named semaphore

LIBRARY
POSIX threads library (*libpthread*, *−lpthread*)

SYNOPSIS
#include <semaphore.h>

int sem_close(sem_t * *sem* **);**

DESCRIPTION
sem_close() closes the named semaphore referred to by *sem*, allowing any resources that the system has allocated to the calling process for this semaphore to be freed.

RETURN VALUE
On success **sem_close**() returns 0; on error, −1 is returned, with *errno* set to indicate the error.

ERRORS
EINVAL
  sem is not a valid semaphore.

ATTRIBUTES
For an explanation of the terms used in this section, see **attributes**(7).

Interface	Attribute	Value
sem_close()	Thread safety	MT-Safe

STANDARDS
POSIX.1-2001, POSIX.1-2008.

NOTES
All open named semaphores are automatically closed on process termination, or upon **execve**(2).

SEE ALSO
sem_getvalue(3), **sem_open**(3), **sem_post**(3), **sem_unlink**(3), **sem_wait**(3), **sem_overview**(7)