NAME
sem_destroy - destroy an unnamed semaphore

LIBRARY
Standard C Library (libc, -lc)

SYNOPSIS
#include <semaphore.h>

int
sem_destroy(*sem_t *sem*);

DESCRIPTION
The **sem_destroy**() function destroys the unnamed semaphore pointed to by *sem*. After a successful call to **sem_destroy**(), *sem* is unusable until re-initialized by another call to sem_init(3).

RETURN VALUES
The **sem_destroy**() function returns the value 0 if successful; otherwise the value -1 is returned and the global variable *errno* is set to indicate the error.

ERRORS
The **sem_destroy**() function will fail if:

[EINVAL]   The *sem* argument points to an invalid semaphore.

[EBUSY]   There are currently threads blocked on the semaphore that *sem* points to.

SEE ALSO
sem_init(3)

STANDARDS
The **sem_destroy**() function conforms to ISO/IEC 9945-1:1996 ("POSIX.1").

POSIX does not define the behavior of **sem_destroy**() if called while there are threads blocked on *sem*, but this implementation is guaranteed to return -1 and set *errno* to EBUSY if there are threads blocked on *sem*.