

**NAME**

sem\_unlink - remove a named semaphore

**SYNOPSIS**

```
#include <semaphore.h>
```

```
int sem_unlink(const char *name);
```

Link with *-pthread*.

**DESCRIPTION**

**sem\_unlink()** removes the named semaphore referred to by *name*. The semaphore name is removed immediately. The semaphore is destroyed once all other processes that have the semaphore open close it.

**RETURN VALUE**

On success **sem\_unlink()** returns 0; on error, -1 is returned, with *errno* set to indicate the error.

**ERRORS****EACCES**

The caller does not have permission to unlink this semaphore.

**ENAMETOOLONG**

*name* was too long.

**ENOENT**

There is no semaphore with the given *name*.

**ATTRIBUTES**

For an explanation of the terms used in this section, see [attributes\(7\)](#).

Interface	Attribute	Value
sem_unlink()	Thread safety	MT-Safe

**CONFORMING TO**

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

**SEE ALSO**

[sem\\_getvalue\(3\)](#), [sem\\_open\(3\)](#), [sem\\_post\(3\)](#), [sem\\_wait\(3\)](#), [sem\\_overview\(7\)](#)

**COLOPHON**

This page is part of release 4.10 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.