```c
int is_power_of_2(unsigned int n)
{
	if (n == 2 || n == 1)
		return (1);
	if (n == 0)
		return (0);
	while (n % 2 == 1)
		return (0);
	while (n > 2)
	{
		if (n % 2 == 1)
			return (0);
		n = n / 2;
	}
	return (1);
}
```