

## Chemicals from Salt: Fact file

World production	Chlorine	39 million tonnes per year
	Sodium hydroxide	41 million tonnes per year
UK production	Chlorine	1.6 million tonnes per year
	Sodium hydroxide	1.2 million tonnes per year
Manufacture		Electrolysis: membrane cell / flowing mercury cell
Raw material		Brine (salt solution). This may be sodium chloride or potassium chloride solution (in which case, potassium hydroxide is produced).

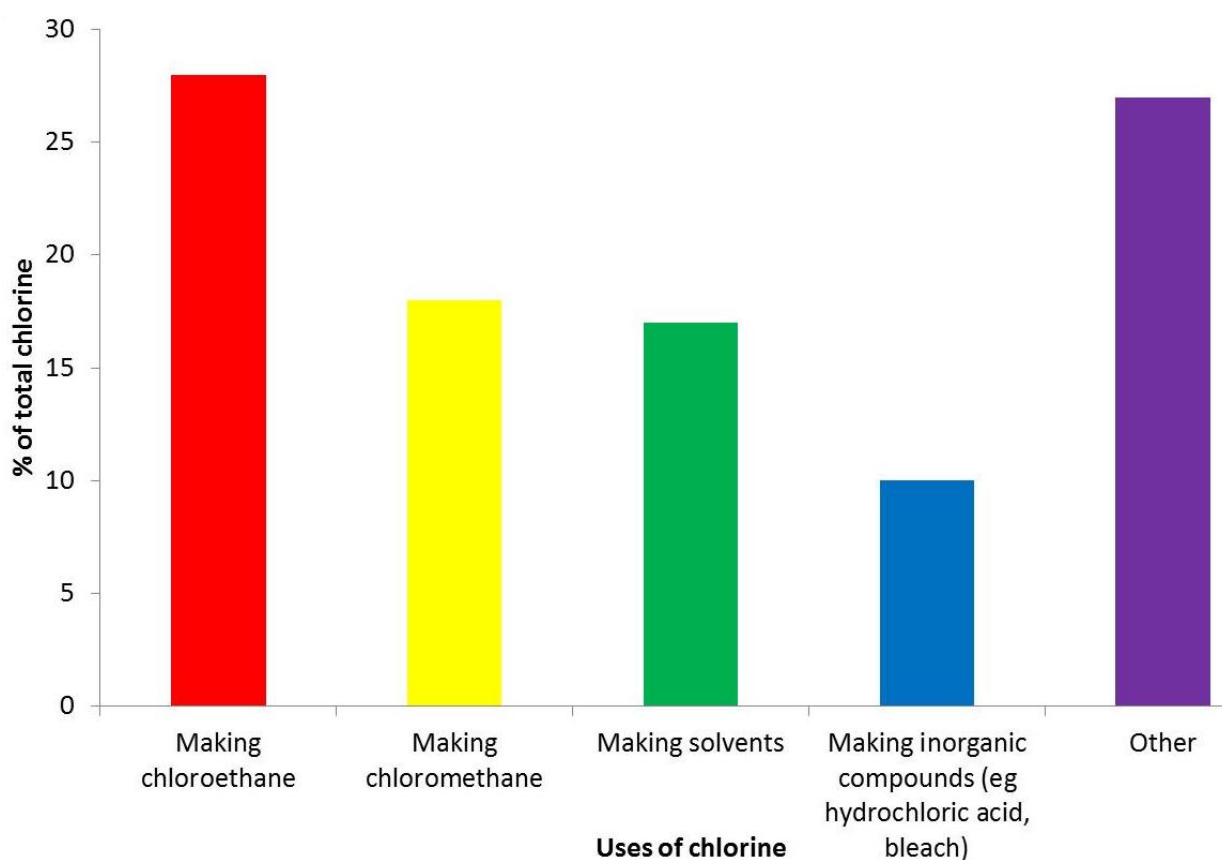


Figure 1: Chart to show the percentage amount of chlorine used for different processes.

Table 1: Table to show the percentage amount of chlorine used for different processes (shown in figure 1).

	Making chloroethane	28%
	Making chloromethane	18%
	Making solvents	17%
	Making inorganic compounds (eg hydrochloric acid, bleach)	10%
	Other	27%

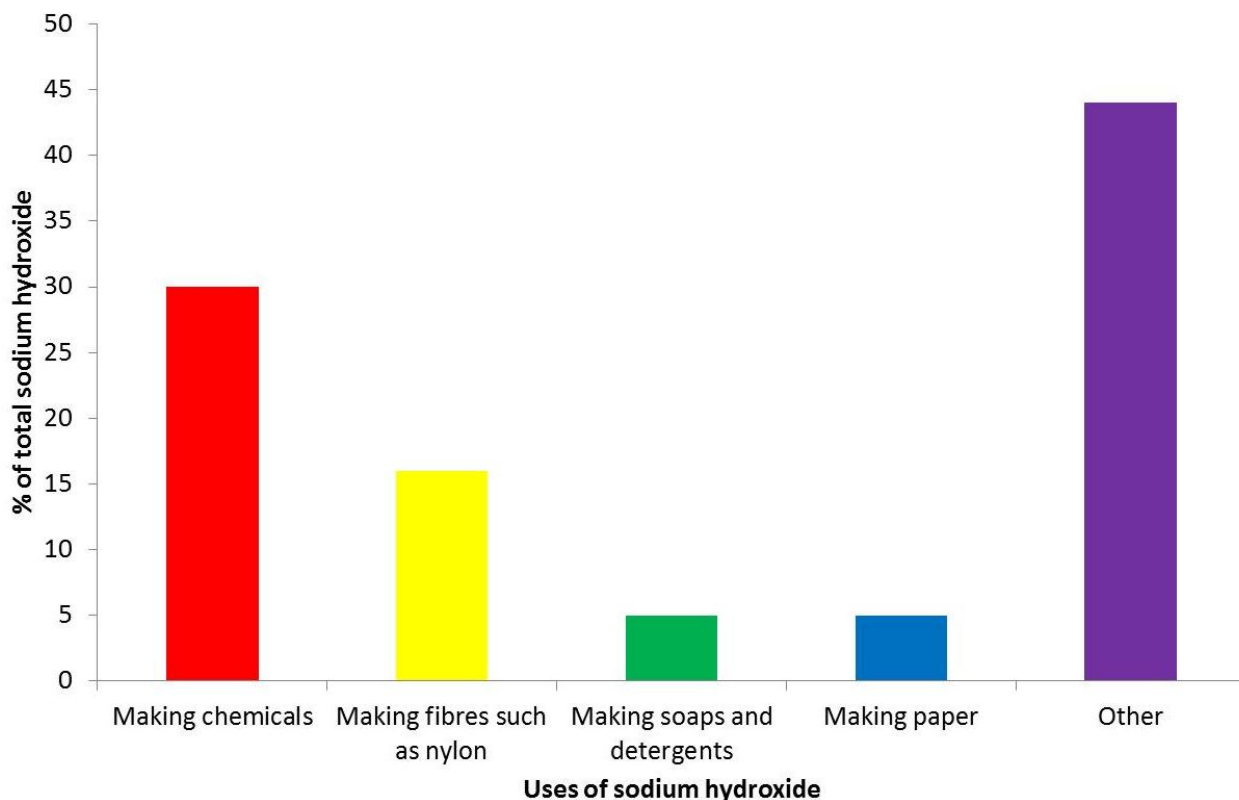


Figure 2: Chart to show the percentage amount of sodium hydroxide used for different processes.

Table 2: Table to show the percentage amount of sodium hydroxide used for different processes (shown in figure 2).

	Making chemicals	30%
	Making fibres such as nylon	16%
	Making soaps and detergents	5%
	Making paper	5%
	Other	44%