

## BASIC INFORMATION

### Prefixes and multiplication factors

Multiplication Factor	Abbreviation	Prefix	Symbol
1 000 000 000 000 000	$10^{15}$	peta	P
1 000 000 000 000	$10^{12}$	tera	T
1 000 000 000	$10^9$	giga	G
1 000 000	$10^6$	mega	M
1 000	$10^3$	kilo	k
100	$10^2$	hecto	h
10	$10^1$	deca	da
0.1	$10^{-1}$	deci	d
0.01	$10^{-2}$	centi	c
0.001	$10^{-3}$	milli	m
0.000 001	$10^{-6}$	micro	$\mu$

### Abbreviations for chemical compounds

CH <sub>4</sub>	Methane
N <sub>2</sub> O	Nitrous oxide
CO <sub>2</sub>	Carbon dioxide
CO	Carbon monoxide
NO <sub>x</sub>	Nitrogen oxides
NMVOC	Non-methane volatile organic compound
NH <sub>3</sub>	Ammonia
CFCs	Chlorofluorocarbons
HFCs	Hydrofluorocarbons
PFCs	Perfluorocarbons
SF <sub>6</sub>	Sulfur hexafluoride
CCl <sub>4</sub>	Carbon tetrachloride
C <sub>2</sub> F <sub>6</sub>	Hexafluoroethane
CF <sub>4</sub>	Tetrafluoromethane

## Standard equivalents

1 tonne of oil equivalent (toe)	1 x 10 <sup>10</sup> calories
10 <sup>3</sup> toe	41.868 TJ
1 short ton	0.9072 tonne
1 tonne	1.1023 short tons
1 tonne	1 megagram
1 kilotonne	1 gigagram
1 megatonne	1 teragram
1 gigatonne	1 petagram
1 kilogram	2.2046 lbs
1 hectare	10 <sup>4</sup> m <sup>2</sup>
1 calorie <sub>IT</sub>	4.1868 Joules
1 atmosphere	101.325 kPa

## Units<sup>1</sup> and abbreviations

cubic metre	m <sup>3</sup>
hectare	ha
gram	g
tonne	t
joule	J
degree Celsius	°C
calorie	cal
year	yr
capita	cap
gallon	gal
dry matter	dm

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<sup>1</sup> For decimal prefixes see previous page.