



MANGANESE

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Making the future possible

Produced by the Minerals Council of Australia

Australian Mining



Australia's resource

13%

2016 world share of manganese resources

2,200 kt

Australia's production of manganese in 2017



4th

Largest share of world manganese resources in 2016

9%

Australia's share of world manganese production in 2016

Global production



4th

Largest producer after South Africa and China

16,000 kt

Global production of manganese in 2017



Rich sources of **Manganese** include whole grains, cloves, nuts, leafy green vegetables, brown rice, soybeans, seeds and some spices, and teas.

Manganese at work



Magnet



Deoxidiser



Fertiliser



Animal feed



Steel



Colorant

DID YOU KNOW?

Manganese is important for good health and exists in some of the foods we eat. Too much environmental manganese can have a negative impact however, causing body tremors, aggression and delusions known as 'manganese madness'.

Sources: Geoscience Australia; USGS

Properties

Discovered
Melting point
Density
Conductivity
Malleability



1774
1247°C
7.43 g/cm³
High
High

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