

Magnesium, turnings, EssentQ®, according to Grignard**Identification**

Mg
M = 24,31 g/mol
CAS [7439-95-4]
EC number: 231-104-6
Taric code: 8104 90 00

Specifications

assay (complexometric)..... min. 99,5 %	insoluble in HCl max. 0,01 %
	iron (Fe)..... max. 0,05 %

Physical data

- Spec. Density: 1,75 g/cm³
- Solub. in water: (20 °C): insoluble
- Melting point: 651 °C
- Boiling point: 1107 °C
- Flash point: 500 °C

Safety - GHS

Signal Word: Danger

Hazard Statements:

H261: In contact with water releases flammable gases.

**Precautionary Statements:**

- P223: Keep away from any possible contact with water, because of violent reaction and possible flash fire.
P231+P232: Handle under inert gas. Protect from moisture.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P370+P378: In case of fire: Use ... for extinction.
P402+P404: Store in a dry place. Store in a closed container.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 4.1 F3 III • UN 1869 • MAGNESIUM or MAGNESIUM ALLOYS
- IMDG: 4.1 III • UN 1869 • MAGNESIUM
- IATA/ICAO: 4.1 III • UN 1869 • MAGNESIUM
- PAX: 419
- CAO: 420
- 10°C - 30°C