

Safety (MSDS) data for zinc

Click here for data on zinc in [student-friendly format](#), from the HSci project

General

Synonyms: zinc dust, zinc powder, blue powder, granular zinc, zinc foil, LS 2, LS 6, merrillite, zinc metal

Molecular formula: Zn

CAS No: 7440-66-6

EINECS No: 231-175-3

EC number: 030-001-00-1

Physical data

Appearance: silver or blueish-white foil or powder

Melting point: 420 C

Boiling point: 908 C

Vapour density:

Vapour pressure:

Density (g cm⁻³): 7.14

Flash point:

Explosion limits:

Autoignition temperature:

Water solubility:

Stability

Stable. Incompatible with amines, cadmium, [sulfur](#), chlorinated solvents, strong acids, strong bases. Air and moisture sensitive. Zinc powder or dust is very flammable.

Toxicology

May be harmful if swallowed or inhaled. May act as an irritant.

Toxicity data

(The meaning of any abbreviations which appear in this section is given [here.](#))

Risk phrases

(The meaning of any risk phrases which appear in this section is given [here.](#))

R11 (for the powdered form).

Transport information

Non-hazardous for air, sea and road freight.

Personal protection

Do not breathe dust. Wear safety glasses if handling powdered zinc.

Safety phrases

(The meaning of any safety phrases which appear in this section is given [here.](#))

S7 S8 S43.

[Return to [Physical & Theoretical Chemistry Lab. Safety home page.](#)]

This information was last updated on February 21, 2005. We have tried to make it as accurate and useful as possible, but can take no responsibility for its use, misuse, or accuracy. We have not verified this information, and cannot guarantee that it is up-to-date.

Note also that the information on the PTCL Safety web site, where this page was hosted, has been copied onto many other sites, often without permission. If you have any doubts about the veracity of the information that you are viewing, or have any queries, please check the URL that your web browser displays for this page. If the URL **begins** "http://ptcl.chem.ox.ac.uk/" or "http://physchem.ox.ac.uk/" the page is maintained by the Safety Officer in Physical Chemistry at Oxford University. If not, this page is a copy made by some other person and we have no responsibility for it.
